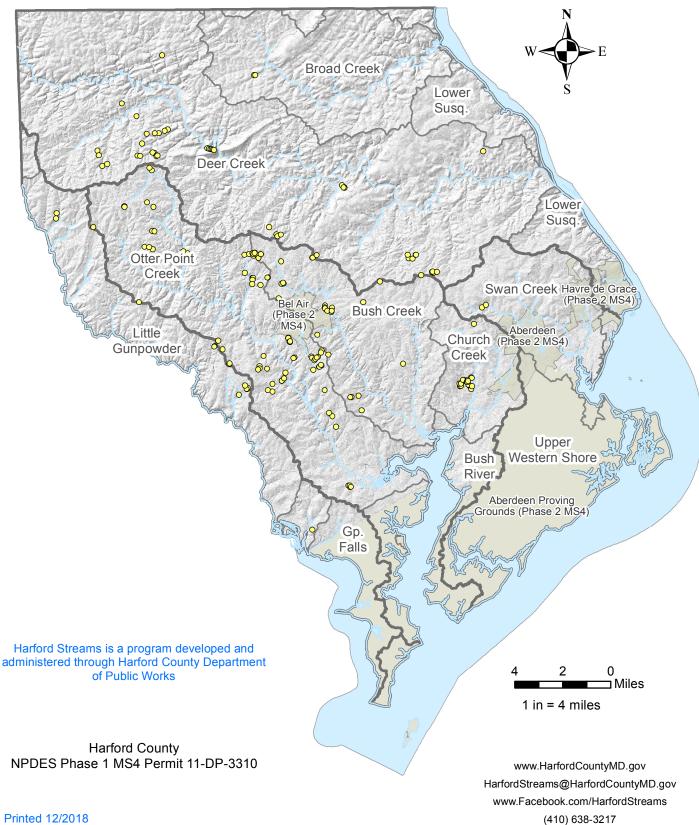
Appendix D3 – Management Programs (Illicit Discharge and Elimination)

Appendix D3

Harford County, MD Department of Public Works Watershed Protection and Restoration



Inspected Stormdrain Outfalls (July 1, 2017 - June 30, 2018)



Outfall Inspections between July 1, 2017 and June 30, 2018

Barry Glassman County Executive

DATE	OUTFALL	TEST#	OBSERVED FLOW) CFS	WATER TEMP F	рН	PHENOLS	CHLORINE	DETERGENTS	COPPER
7/10/2017	OF000923	1	N							
7/10/2017	OF000926	1	N							
7/10/2017	OF000924	1	N							
7/10/2017	OF000888	1	N							
7/10/2017	OF000894	1	N							
7/10/2017	OF000894	1	N							
7/11/2017	OF001118	1	Υ	0.1	77.9	6.98	0	0	0.65	0
7/11/2017	OF001597	1	Υ	0.0001471444	65.12	6	0	0	0.1	0
7/11/2017	OF000768	1	N							
7/12/2017	OF001118	2	Υ	0.02	75.02	7.02	0	0	0.3	0
7/12/2017	OF001597	2	Υ	0.0001471444	64.94	6.07	0	0	0.05	0
7/12/2017	OF001589	1	N							
7/12/2017	OF000388	1	N							
7/12/2017	OF000382	1	N							
7/12/2017	OF001674	1	N							
7/12/2017	OF001675	1	N							
7/12/2017	OF001672	1	N							
7/17/2017	OF002932	1	N							
7/17/2017	OF002930	1	N							
7/17/2017	OF002931	1	N							
7/17/2017	OF002933	1	N							

DATE	OUTFALL	TEST# C	BSERVED FLOW	CFS	WATER TEMP F	рН	PHENOLS	CHLORINE	DETERGENTS	COPPER
7/17/2017	OF002934	1	N							
7/17/2017	OF003110	1	N							
7/17/2017	OF003312	1	N							
7/17/2017	OF003356	1	N							
7/17/2017	OF003111	1	N							
7/17/2017	OF001990	1	N							
7/17/2017	OF003354	1	N							
7/17/2017	OF003355	1	N							
7/17/2017	OF003350	1	N							
7/17/2017	OF001676	1	N							
7/17/2017	OF003346	1	N							
7/17/2017	OF003347	1	N							
7/17/2017	OF003101	1	N							
7/17/2017	OF003098	1	N							
7/17/2017	OF003099	1	N							
7/17/2017	OF003100	1	N							
7/31/2017	OF000103	1	N							
7/31/2017	OF001691	1	N							
7/31/2017	OF001687	1	N							
7/31/2017	OF001688	1	N							
7/31/2017	OF000101	1	N							
7/31/2017	OF003109	1	N							
7/31/2017	OF003108	1	N							
7/31/2017	OF000100	1	N							

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DATE	OUTFALL	TEST #	OBSERVED FLOW	CFS	WATER TEMP F	рН	PHENOLS	CHLORINE	DETERGENTS	COPPER
7/31/2017	OF001703	1	N							
7/31/2017	OF002770	1	N							
7/31/2017	OF002822	1	N							
7/31/2017	OF002766	1	N							
7/31/2017	OF002767	1	N							
8/1/2017	OF000758	1	N							
8/1/2017	OF000808	1	N							
8/1/2017	OF000796	1	N							
8/1/2017	OF000797	1	N							
8/10/2017	OF002901	1	N							
8/10/2017	OF001329	1	N							
8/10/2017	OF001324	1	N							
8/10/2017	OF001325	1	N							
8/26/2017	OF002512	1	N							
8/26/2017	OF002567	1	N							
9/12/2017	OF001122	1	N							
9/12/2017	OF001124	1	N							
9/12/2017	OF001125	1	N							
9/12/2017	OF001127	1	N							
9/18/2017	OF001785	1	N							
9/18/2017	OF001786	1	N							
9/18/2017	OF000083	1	N							
9/18/2017	OF001523	1	N							
9/21/2017	OF000326	1	N							

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DATE	OUTFALL	TEST#	OBSERVED FLOW	CFS	WATER TEMP F	рН	PHENOLS	CHLORINE	DETERGENTS	COPPER
9/21/2017	OF001369	1	N							
9/21/2017	OF001974	1	Υ	0.3	65.66	7.73	0	0.05	0.05	0
9/21/2017	OF001979	1	N							
9/22/2017	OF001360	1	N							
9/22/2017	OF001974	2	Υ	0.3	64.94	7.41	0	0	0	0
9/26/2017	OF001327	1	Υ	0.3	56.3	6.64	0	0	0.15	0
9/26/2017	OF001330	1	Υ	0.1	62.6	7.71	0	0	0.05	0
9/26/2017	OF003352	1	Υ	0.2	64.04	7.11	0	0	0	0
9/26/2017	OF003353	1	N							
9/27/2017	OF001327	2	Υ	0.3	56.48	7.03	0	0	0.15	0
9/27/2017	OF001330	2	Υ	0.1	64.04	7.772	0	0	0.05	0
9/27/2017	OF003352	2	Υ	0.2	64.94	6.91	0	0	0.05	0
10/3/2017	OF001131	1	N							
10/3/2017	OF001132	1	N							
10/3/2017	OF003333	1	N							
10/6/2017	OF000025	1	N							
10/6/2017	OF001128	1	N							
10/6/2017	OF001130	1	N							
10/12/2017	OF001191	1	N							
10/18/2017	OF001524	1	Υ	0.2	53.78	8.52	0	0	0.2	0
10/18/2017	OF000733	1	N							
10/18/2017	OF000759	1	N							
10/18/2017	OF000863	1	N							
10/18/2017	OF000862	1	N							

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DATE	OUTFALL	TEST# C)BSERVED FLOW	CFS	WATER TEMP F	рН	PHENOLS	CHLORINE	DETERGENTS	COPPER
10/19/2017	OF001524	2	Υ	0.2	54.68	7.59	0	0	0.3	0
10/23/2017	OF001753	1	N							
10/23/2017	OF001754	1	N							
10/23/2017	OF002634	1	N							
10/23/2017	OF002635	1	N							
10/23/2017	OF002545	1	N							
10/24/2017	OF001362	1	N							
10/24/2017	OF001363	1	N							
10/24/2017	OF001364	1	N							
10/24/2017	OF001361	1	N							
10/24/2017	OF001760	1	N							
11/7/2017	OF000776	1	N							
11/7/2017	OF000735	1	N							
11/15/2017	OF000727	1	N							
11/15/2017	OF000728	1	N							
11/15/2017	OF000729	1	N							
11/15/2017	OF000730	1	N							
11/15/2017	OF000731	1	N							
11/17/2017	OF003065	1	N							
11/17/2017	OF003066	1	N							
11/27/2017	OF000868	1	Υ	0.2	44.78	7.59	0	0	0.15	0
11/28/2017	OF000868	2	Υ	0.2	47.66	6.83	0	0	0.15	0
11/28/2017	OF001797	1	N							
11/28/2017	OF001794	1	N							

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DATE	OUTFALL	TEST#	OBSERVED FLOW	CFS	WATER TEMP F	рН	PHENOLS	CHLORINE	DETERGENTS	COPPER
11/28/2017	OF001793	1	N							
11/28/2017	OF001818	1	N							
11/28/2017	OF001820	1	N							
11/28/2017	OF001816	1	N							
12/12/2017	OF000787	1	N							
12/13/2017	OF002910	1	N							
12/13/2017	OF000409	1	N							
12/13/2017	OF000412	1	N							
12/13/2017	OF002011	1	N							
12/19/2017	OF001926	1	N							
12/19/2017	OF001852	1	N							
12/19/2017	OF000558	1	N							
12/19/2017	OF001853	1	N							
12/19/2017	OF001950	1	N							
12/19/2017	OF002164	1	N							
12/20/2017	OF000795	1	N							
12/20/2017	OF000001	1	N							
12/20/2017	OF000805	1	N							
12/20/2017	OF000804	1	N							
12/20/2017	OF000373	1	N							
12/20/2017	OF000784	1	N							
1/2/2018	OF001082	1	N							
1/2/2018	OF001083	1	N							
1/3/2018	OF000028	1	N							

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DATE	OUTFALL	TEST#	OBSERVED FLOW	CFS	WATER TEMP F	рН	PHENOLS	CHLORINE	DETERGENTS	COPPER
1/3/2018	OF000028	1	N							
1/3/2018	OF000170	1	N							
1/3/2018	OF002525	1	N							
2/22/2018	OF000819	1	N							
2/22/2018	OF000820	1	N							
2/22/2018	OF000821	1	N							
2/22/2018	OF000822	1	N							
2/22/2018	OF000823	1	N							
2/22/2018	OF000824	1	N							
2/27/2018	OF001854	1	Υ	0.3	46.94	6.58	0	0	0.2	0
2/28/2018	OF001854	2	Υ	0.2	48.2	7.27	0	0	0.15	0
3/1/2018	OF000365	1	N							
3/1/2018	OF001812	1	N							
3/5/2018	OF000032	1	Υ							
3/5/2018	OF000033	1	Υ							
3/5/2018	OF000035	1	N							
3/5/2018	OF000369	1	N							
3/5/2018	OF001177	1	N							
3/5/2018	OF001178	1	N							
3/5/2018	OF003083	1	N							
3/15/2018	OF000022	1	N							
3/15/2018	OF000917	1	N							
3/16/2018	OF000082	1	N							
3/16/2018	OF000189	1	N							

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DATE	OUTFALL	TEST#	OBSERVED FLOW	CFS	WATER TEMP F	рН	PHENOLS	CHLORINE	DETERGENTS	COPPER
3/16/2018	OF001557	1	N							
3/16/2018	OF001559	1	N							
3/16/2018	OF001561	1	N							
3/16/2018	OF001565	1	N							
3/16/2018	OF001572	1	N							
3/16/2018	OF001574	1	N							
3/16/2018	OF001850	1	N							
3/27/2018	OF001913	1	N							
3/27/2018	OF002986	1	N							
4/12/2018	OF000898	1	N							
4/12/2018	OF000899	1	N							
4/19/2018	OF000009	1	N							
4/19/2018	OF000911	1	N							
4/19/2018	OF001077	1	N							
4/20/2018	OF000844	1	N							
4/20/2018	OF000845	1	N							
4/20/2018	OF000846	1	N							
4/20/2018	OF000847	1	N							
4/23/2018	OF002339	1	N							
4/23/2018	OF002342	1	N							
4/23/2018	OF002343	1	N							
4/23/2018	OF002392	1	N							
5/3/2018	OF000034	1	Υ	0.1	51.44	7.76	0	0	0.05	0
5/3/2018	OF000117	1	Υ	0.2	51.08	8.16	0	0	0.15	0

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DAT	TE	OUTFALL	TEST#	OBSERVED FLOW	CFS	WATER TEMP F	рН	PHENOLS	CHLORINE	DETERGENTS	COPPER
5/3	3/2018	OF000381	1	Υ	0.01	52.34	6.71	0	0	0.1	0
5/3	3/2018	OF001563	1	N							
5/4	4/2018	OF000034	2	Υ	0.1	53.06	7.7	0	0	0.05	0
5/4	4/2018	OF000117	2	Υ	0.2	51.44	8.01	0	0	0.15	0
5/4	4/2018	OF000381	2	Υ	0.01	52.7	6.56	0	0	0.05	0
5/8	8/2018	OF001814	1	N							
5/8	8/2018	OF000115	1	N							
5/8	8/2018	OF000372	1	N							
5/8	8/2018	OF001674	1	N							
5/8	8/2018	OF001675	1	N							
5/8	8/2018	OF001812	1	N							
5/8	8/2018	OF001841	1	N							
5/9	9/2018	OF000225	1	N							
5/9	9/2018	OF000404	1	N							
5/9	9/2018	OF000405	1	N							
5/9	9/2018	OF002603	1	N							
5/9	9/2018	OF002630	1	N							
5/9	9/2018	OF002734	1	N							
5/9	9/2018	OF002736	1	N							

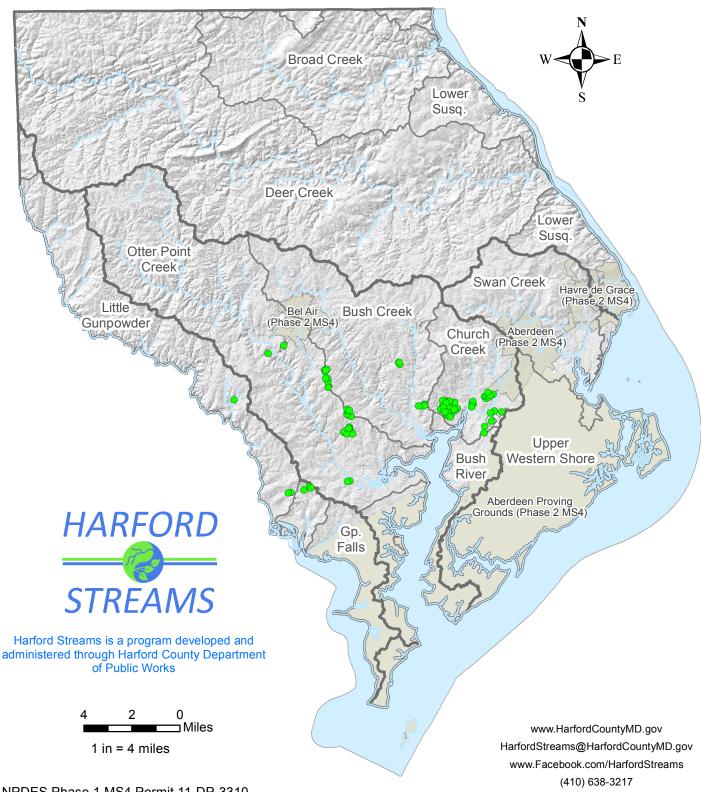
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Appendix D3

Harford County, MD Department of Public Works Watershed Protection and Restoration



Active Hotspot Investigations (July 1, 2017 - June 30, 2018)





HotspotID TaxID	00032 03058727	Bel Air Auto Auction 709 BEL AIR RD		
CaseID	201400032		Opened 4/9/2014	Closed 6/29/2018
CaseNotes	Business relocated in Sp	oring 2018		
Activity Date	e Activity		Outcome	
6/29/2018	Site visit		Case closed	
3/31/2015	Site visit		Source tracking inconclusive	
2/2/2015	Letter from prop	erty owner	Remediation completed	
1/15/2015	Letter to propert	cy owner	Remediation requested	
4/9/2014	Random screenir	ng	Confirmed hotspot	
HotspotID	00227	Fork Auto Body		
TaxID	03040313	2705 Bel Air Rd		
CaseID	201500227		Opened 12/16/2015	Closed
CaseNotes				
Activity Date	e Activity		Outcome	
3/21/2016	Memo to DPW D	virector	Follow up needed	
3/17/2016	Site visit		Follow up needed	
3/4/2016	Memo to DPW D	rirector	Information requested	
2/4/2016	Letter from prop	erty owner	Information requested	
1/27/2016	Letter to propert	ry owner	Remediation requested	
12/16/2015	Random screenir	ng	Confirmed hotspot	
HotspotID	00236	JC Discount Tire		
TaxID	01038753	2102 Pulaski Highway		
CaseID	201600236		Opened 12/6/2016	Closed 10/5/2017
CaseNotes	Outdoor liquid storage,	tire storage, unable to ente	r property	
Activity Date	e Activity		Outcome	
10/5/2017	Letter to propert	cy owner	Case closed	
10/3/2017	Site visit		Remediation completed	
7/20/2017	Letter to propert	cy owner	Appointment for site visit requ	uested



6/21/2017	Call to property	owner	Consult with County Attorney				
6/6/2017	Site visit		Make appointment with owne	r			
12/6/2016	Random screenir	ng	Follow up needed				
HotspotID	00232	Anderson Hardware					
TaxID	01001876	900 Pulaski Hwy					
CaseID	201600232		Opened 12/13/2016	Closed 7/11/2017			
CaseNotes							
Activity Date	e Activity		Outcome				
7/11/2017	Letter to propert	cy owner	Case closed				
7/10/2017	Site visit		Remediation completed				
5/15/2017	Letter from prop	erty owner	Remediation plan submitted				
4/19/2017	Letter to propert	ry owner	Remediation requested				
4/4/2017	Site visit		Remediation required				
12/13/2016	Random screenir	ng	Follow up needed				
HatawatiD	00239	Auto Auction of Baltir	nore				
HotspotID	00239	Auto Auction of Baitin	nore				
TaxID	01028367	1116 S Mountain Rd	nore				
			Opened 12/13/2016	Closed			
TaxID	01028367			Closed			
TaxID CaseID	01028367 201600239			Closed			
CaseID CaseNotes	01028367 201600239	1116 S Mountain Rd	Opened 12/13/2016	Closed			
CaseID CaseNotes Activity Date	01028367 201600239 Activity	1116 S Mountain Rd	Opened 12/13/2016 Outcome	Closed			
CaseID CaseNotes Activity Date 7/31/2017	01028367 201600239 Activity Email from opera	1116 S Mountain Rd	Opened 12/13/2016 Outcome SWPPP received	Closed			
CaseID CaseNotes Activity Date 7/31/2017 6/29/2017	201600239 Activity Email from opera Call from proper	1116 S Mountain Rd	Opened 12/13/2016 Outcome SWPPP received SWPPP being prepared	Closed			
CaseID CaseNotes Activity Date 7/31/2017 6/29/2017 6/16/2017	201600239 Activity Email from opera Call from proper	1116 S Mountain Rd	Opened 12/13/2016 Outcome SWPPP received SWPPP being prepared Remediation required	Closed			
CaseID CaseNotes Activity Date 7/31/2017 6/29/2017 6/16/2017 12/13/2016	01028367 201600239 Activity Email from opera Call from propera Site visit Random screening	1116 S Mountain Rd	Opened 12/13/2016 Outcome SWPPP received SWPPP being prepared Remediation required	Closed			
CaseID CaseNotes Activity Date 7/31/2017 6/29/2017 6/16/2017 12/13/2016 HotspotID	01028367 201600239 Activity Email from opera Call from proper Site visit Random screenin	ator ty owner Hurley's Golf Carts	Opened 12/13/2016 Outcome SWPPP received SWPPP being prepared Remediation required	Closed			
CaseID CaseNotes Activity Date 7/31/2017 6/29/2017 6/16/2017 12/13/2016 HotspotID TaxID	201600239 Activity Email from opera Call from proper Site visit Random screenin 00240 01018329	ator ty owner Hurley's Golf Carts	Opened 12/13/2016 Outcome SWPPP received SWPPP being prepared Remediation required follow up needed				
CaseID CaseNotes Activity Date 7/31/2017 6/29/2017 6/16/2017 12/13/2016 HotspotID TaxID CaseID	01028367 201600239 Activity Email from opera Call from propera Site visit Random screenin 00240 01018329 201600240	ator ty owner Hurley's Golf Carts	Opened 12/13/2016 Outcome SWPPP received SWPPP being prepared Remediation required follow up needed				



6/16/2017	Site visit		Remediation required	
 12/13/2016	Random screenin	g	Follow up needed	
HotspotID	00242	7-11 Rt 40 Joppa		
TaxID	01298992	602 Pulaski Highway		
CaseID	201600242		Opened 12/13/2016	Closed
CaseNotes				
 Activity Date	Activity		Outcome	
8/15/2017	Letter to business	s address	Remediation requested	
6/27/2017	Letter to property	y owner	Remediation requested	
6/20/2017	Site visit		Not a hotspot	
 12/13/2016	Random screenin	g	Follow up needed	
HotspotID	00244	Gerar Auto Sales, et.a		
TaxID	01060317	2002-2012 Pulaski Hw	у	
CaseID	201600244		Opened 12/20/2016	Closed 8/29/2017
CaseNotes	201000244		Opened 12/20/2010	Closed 8/29/2017
 Caseivotes				
Activity Date	Activity		Outcome	
8/29/2017	Letter to propert	y owner	Case closed	
8/25/2017	Site visit		Remediation completed	
8/2/2017	Letter to propert	y owner	Remediation requested	
6/30/2017	Site visit		Remediation required	
 12/20/2016	Random screenin	g	Follow up needed	
HotspotID	00234	Sherwood Concession	S	
TaxID	01038656	514 Pulaski Highway		
CaseID	201700234		Opened 1/12/2017	Closed 10/5/2017
CaseNotes	uncovered liquid storag	e, oil leaks		
 Activity Date	Activity		Outcome	
10/5/2017	Letter to propert	y owner	Case closed	
10/3/2017	Site visit		Remediation completed	
7/3/2017	Letter to propert	y owner	Remediation requested	



5/15/2017	Letter to propert	y owner	Remediation requested	
5/3/2017	Site visit		Remediation required	
1/12/2017	Random screenir	ng	Follow up needed	
HotspotID	00285	Perryman Grocery		
TaxID	02061090	1551 Perryman Rd		
CaseID	201700285		Opened 12/21/2017	Closed 12/21/2017
CaseNotes	A lot of trash in parking Could install rainbarrels		opane tanks appear empty; cou	ld be discarded.
Activity Date	Activity		Outcome	
12/21/2017	Random screenin	ng	Not a hotspot	
HotspotID	00326	Bozel		
TaxID	02083671	500 Advantage Ave		
CaseID	201700326		Opened 12/21/2017	Closed 12/21/2017
CaseNotes			dge of lot. Empty dumpster mo rox. 50 ft from fuel island could	
Activity Date	Activity		Outcome	
12/21/2017	Random screenir	ng	Potential hotspot	
HotspotID	00323	RiteAid		
TaxID	02050846	1501 Perryman Rd		
CaseID	201800323		Opened 1/11/2018	Closed 1/11/2018
CaseNotes				
Activity Date	Activity		Outcome	
1/11/2018	Random screenir	ng	Potential hotspot	
HotspotID	00324	WAVE		
TaxID	02055961	501 Advantage Ave		
CaseID	201800324		Opened 1/11/2018	Closed 1/11/2018
CaseNotes				
Activity Date	Activity		Outcome	
1/11/2018	Random screening	ng	Potential hotspot	



HotspotID	00325	New German Performance
TaxID	02058448	1615 Perryman Rd
CaseID	201800325	Opened 1/11/2018 Closed 1/11/2018
CaseNotes	Discard or recycle item the tank (good houseke	(mufflers, tires, old vehicles). There appears to be a treated old oil spill under eping).
Activity Date	Activity	Outcome
1/11/2018	Random screenin	Potential hotspot
HotspotID	00327	Gordon Food Services; Northeastern Supply
TaxID	02083698	504 Advange Ave
CaseID	201800327	Opened 1/11/2018 Closed 1/11/2018
CaseNotes	• • • • • • • • • • • • • • • • • • • •	be untreated; goes to stream (pond) at north edge of property. Off-road diesel ection since it is close to an inlet. Limited space to install retrofits to protect
Activity Date	Activity	Outcome
1/11/2018	Random screenin	Potential hotspot
HotspotID	00314	MedMark; Active Day; Avon Protection Systems; HydroPac
TaxID	01227440	1361 Brass Mill Rd
TaxID CaseID	01227440 201800314	1361 Brass Mill Rd Opened 1/18/2018 Closed 1/18/2018
	201800314 Huge pile of full trash ba	
CaseID	201800314 Huge pile of full trash barevisits to check status)	Opened 1/18/2018 Closed 1/18/2018 ags behind Active Day (bags moved and replaced daily; confirmed over several
CaseID CaseNotes	201800314 Huge pile of full trash barevisits to check status)	Opened 1/18/2018 Closed 1/18/2018 ags behind Active Day (bags moved and replaced daily; confirmed over several Lots of trash around dumpster, adjacent to inlet, and in nearby woods. Outcome
CaseID CaseNotes Activity Date	201800314 Huge pile of full trash barevisits to check status). Activity	Opened 1/18/2018 Closed 1/18/2018 ags behind Active Day (bags moved and replaced daily; confirmed over several Lots of trash around dumpster, adjacent to inlet, and in nearby woods. Outcome
CaseID CaseNotes Activity Date 1/18/2018	201800314 Huge pile of full trash barevisits to check status). Activity Random screening	Opened 1/18/2018 Closed 1/18/2018 ags behind Active Day (bags moved and replaced daily; confirmed over several Lots of trash around dumpster, adjacent to inlet, and in nearby woods. Outcome Potential hotspot
CaseID CaseNotes Activity Date 1/18/2018 HotspotID	201800314 Huge pile of full trash by revisits to check status). Activity Random screenin	Opened 1/18/2018 Closed 1/18/2018 ags behind Active Day (bags moved and replaced daily; confirmed over several Lots of trash around dumpster, adjacent to inlet, and in nearby woods. Outcome Potential hotspot Tilley Chemical Co.
CaseID CaseNotes Activity Date 1/18/2018 HotspotID TaxID	201800314 Huge pile of full trash by revisits to check status). Activity Random screenin 00292 01178555 201800292	Opened 1/18/2018 Closed 1/18/2018 ags behind Active Day (bags moved and replaced daily; confirmed over several . Lots of trash around dumpster, adjacent to inlet, and in nearby woods. Outcome Potential hotspot Tilley Chemical Co. 1211 Belmar Rd
CaseID CaseNotes Activity Date 1/18/2018 HotspotID TaxID CaseID	201800314 Huge pile of full trash barevisits to check status). Activity Random screenin 00292 01178555 201800292 Most parking lot runoff	Opened 1/18/2018 Closed 1/18/2018 ags behind Active Day (bags moved and replaced daily; confirmed over several Lots of trash around dumpster, adjacent to inlet, and in nearby woods. Outcome Potential hotspot Tilley Chemical Co. 1211 Belmar Rd Opened 1/19/2018 Closed 1/19/2018



HotspotID	00312	Crothall Healthcare La	aundry Services	
TaxID	01199064	1350 Brass Mill Rd		
CaseID	201800312		Opened 1/19/2018	Closed 1/19/2018
CaseNotes		uel tank could use a cover au should be stored indoors.	nd containment (a spill kit at a	minimum). Large
Activity Date	e Activity		Outcome	
1/19/2018	Random screenir	ng	Potential hotspot	
HotspotID	00313	D. Wheatly Enterprise	es	
TaxID	01220470	1362 Brass Mill Rd		
CaseID	201800313		Opened 1/19/2018	Closed 1/19/2018
CaseNotes		at east side of building. Dow terials in storage area could	nsput discharge directly unde be discarded or recycled.	r open dumpster;
Activity Date	e Activity		Outcome	
1/19/2018	Random screenir	ng	Potential hotspot	
HotspotID	00295	Survice/NTS		
TaxID	01260529	4603 (A,B) Compass F	Point Rd	
TaxID CaseID	01260529 201800295		Opened 1/24/2018	Closed 1/24/2018
		4603 (A,B) Compass F		Closed 1/24/2018
CaseID	201800295 May be able to dispose	4603 (A,B) Compass F		Closed 1/24/2018
CaseID CaseNotes	201800295 May be able to dispose	4603 (A,B) Compass F	Opened 1/24/2018	Closed 1/24/2018
CaseID CaseNotes Activity Date	201800295 May be able to dispose Activity	4603 (A,B) Compass F	Opened 1/24/2018 Outcome	Closed 1/24/2018
CaseID CaseNotes Activity Date 1/24/2018	201800295 May be able to dispose Activity Random screenin	4603 (A,B) Compass F	Opened 1/24/2018 Outcome	Closed 1/24/2018
CaseID CaseNotes Activity Date 1/24/2018 HotspotID	201800295 May be able to dispose Activity Random screenin	of scrap metal Alliance, Inc.	Opened 1/24/2018 Outcome	Closed 1/24/2018 Closed 1/24/2018
CaseID CaseNotes Activity Date 1/24/2018 HotspotID TaxID	201800295 May be able to dispose Activity Random screenin 00311 01191152 201800311 Dumpster and waste gr	of scrap metal Alliance, Inc. 4510 Wharf Ct	Opened 1/24/2018 Outcome Not a hotspot Opened 1/24/2018 way from inlet. May be able to	Closed 1/24/2018
CaseID CaseNotes Activity Date 1/24/2018 HotspotID TaxID CaseID	201800295 May be able to dispose Activity Random screenin 00311 01191152 201800311 Dumpster and waste granorth side of building.	of scrap metal Alliance, Inc. 4510 Wharf Ct	Opened 1/24/2018 Outcome Not a hotspot Opened 1/24/2018 way from inlet. May be able to	Closed 1/24/2018



HotspotID	00316	McCormick		
TaxID	01260502	4607 McCormick Dr		
CaseID	201800316		Opened 1/24/2018	Closed 1/24/2018
CaseNotes	Excessive trash near inl	ets and along fence. Some s	sediment observed in one inlet.	
Activity Date	Activity		Outcome	
1/24/2018	Random screenir	ng	Potential hotspot	
HotspotID	00317	Ross Machine Co.		
TaxID	01260510	4605 Compass Point F	Rd	
CaseID	201800317		Opened 1/24/2018	Closed 1/24/2018
CaseNotes	Could improve drainage	e to reduce erosion forces in	channel.	
Activity Date	Activity		Outcome	
1/24/2018	Random screenir	ng	Potential hotspot	
HotspotID	00288	TIC Gums, Inc		
TaxID	01012142	1 Mercedes Dr		
CaseID	201800288		Opened 1/30/2018	Closed 1/30/2018
CaseNotes	Good candidate for per able to install BMP at e		accessible bu may have erosion	problems. May be
Activity Date			Outcome	
1/30/2018	Random screenir	ng	Not a hotspot	
HotspotID	00293	TIC Gums		
TaxID	01178598	4609 Richlynn Dr		
CaseID	201800293		Opened 1/30/2018	Closed 1/30/2018
CaseNotes	Divert the downspouts	to the loading dock area (ra	in barrels)	
Activity Date	Activity		Outcome	
1/30/2018	Random screenir	ng	Not a hotspot	



HotspotID	00306	Independent Can Co.		
TaxID	01170368	1300 Brass Mill Rd		
CaseID	201800306		Opened 1/30/2018	Closed 1/30/2018
CaseNotes	Could add infiltration ar	rea in the middle of the site.		
Activity Date	Activity		Outcome	
1/30/2018	Random screenir	ng	Potential hotspot	
HotspotID	00307	McCormick Spice #2		
TaxID	01171615	1351 Brass Mill Rd		
CaseID	201800307		Opened 1/30/2018	Closed 1/30/2018
CaseNotes	Larege headcut 20 feet on McCormick property		tfall. Other outfall contributing	to headcut is also
Activity Date	Activity		Outcome	
1/30/2018	Random screenir	ng	Potential hotspot	
HotspotID	00308	Ashland Equipment		
TaxID	01173790	1324 Brass Mill Rd		
CaseID	201800308		Opened 1/30/2018	Closed 1/30/2018
CaseID CaseNotes		ed by Ashland's owner; rento		Closed 1/30/2018
	Adjacent property own	ed by Ashland's owner; rente		Closed 1/30/2018
CaseNotes	Adjacent property own		ed to landscaping company.	Closed 1/30/2018
CaseNotes Activity Date	Adjacent property own		Outcome Potential hotspot	Closed 1/30/2018
CaseNotes Activity Date 1/30/2018	Adjacent property owner Activity Random screening	ng	Outcome Potential hotspot	Closed 1/30/2018
CaseNotes Activity Date 1/30/2018 HotspotID	Adjacent property owner Activity Random screenin	ng Patriot Environmental	Outcome Potential hotspot	Closed 1/30/2018 Closed 2/6/2018
CaseNotes Activity Date 1/30/2018 HotspotID TaxID	Adjacent property owner Activity Random screenin 00299 01035576 201800299 Severe erosion at outfa	Patriot Environmental 4605 Richlynn Dr	Outcome Potential hotspot , AGCO	Closed 2/6/2018
CaseNotes Activity Date 1/30/2018 HotspotID TaxID CaseID	Adjacent property owner Activity Random screenin 00299 01035576 201800299 Severe erosion at outfa water from low area. Compared to the c	Patriot Environmental 4605 Richlynn Dr	Outcome Potential hotspot AGCO Opened 2/6/2018 Appear to be using a bilge pun	Closed 2/6/2018



HotspotID	00303	Automated Motion;	United Souvenir and Appa	irel, Inc.
TaxID	01157442	1207 Belmar Dr		
CaseID	201800303		Opened 2/6/2018	Closed 2/6/2018
CaseNotes	Scattered trash around BMP in the southwest		er could be converted to a BMP	. There is room for a
Activity Date	e Activity		Outcome	
2/6/2018	Random screeni	ng	Potential hotspot	
HotspotID	00305	J&J Mechanical; Mar	yland Curb and Fabricatio	n
TaxID	01170317	1206 Belmar Dr		
CaseID	201800305		Opened 2/6/2018	Closed 2/6/2018
CaseNotes	Large scrap storage are discharge.	ea adjacent to stream chani	nel. Several downspouts have o	lark staining from
Activity Date	e Activity		Outcome	
2/6/2018	Random screeni	ng	Potential hotspot	
HotspotID	00309	Crown Specialty Prod	ducts	
TaxID	01175734	4606 Richlynn Dr		
CaseID	201800309		Opened 2/6/2018	Closed 2/6/2018
CaseNotes		stem from one inlet in the 01170317, where there ma	middle of the back lot. Ultimat by be space for a BMP.	e outfall from parcel is
Activity Date	e Activity		Outcome	
2/6/2018	Random screeni	ng	Potential hotspot	
HotspotID	00310	Increditek		
TaxID	01183923	1205 Belmar Dr		
CaseID	201800310		Opened 2/12/2018	Closed 2/12/2018
CaseNotes	Room for small BMP be	etween parking lot (dumpst	ers) and wetland.	
Activity Date	e Activity		Outcome	
2/12/2018	Random screeni	ng	Potential hotspot	



HotspotID	00280	Chesapeake Spice Co	mpany	
TaxID	01291890	4613 Mercedes Dr		
CaseID	201800280		Opened 2/13/2018	Closed 2/13/2018
CaseNotes				
Activity Date	e Activity		Outcome	
2/13/2018	Random screeni	ng	Not a hotspot	
HotspotID	00291	Bottcher		
TaxID	01158929	4600 Mercedes Dr		
CaseID	201800291		Opened 2/13/2018	Closed 2/13/2018
CaseNotes	Could possibly disconn	ect some downspouts in the	erear	
Activity Date	e Activity		Outcome	
2/13/2018	Random screeni	ng	Not a hotspot	
HotspotID	00294	Citrus and Allied Esse	nces	
TaxID	01214322	4620 Mercedes Dr		
CaseID	201800294		Opened 2/13/2018	Closed 2/13/2018
CaseNotes	Old fuel oil and other t	anks can be removed		
Activity Date	e Activity		Outcome	
2/13/2018	Random screeni	ng	Not a hotspot	
HotspotID	00315	National Gypsum		
TaxID				
	01227947	4611 Mercedes Dr		
CaseID	201800315	4611 Mercedes Dr	Opened 2/13/2018	Closed 2/13/2018
CaseID CaseNotes	201800315		Opened 2/13/2018 illed gypsum near train siding.	Closed 2/13/2018
	201800315 New BMP to be installed			Closed 2/13/2018



HotspotID	00101	Constant Friendship S	Shopping Center	
TaxID	01205307	3430-3484 Emmorto	n Road	
CaseID	201800101		Opened 2/21/2018	Closed 2/21/2018
CaseNotes		•	ts. May be able to redirect stommend a trench drain or sand	• • •
Activity Date	e Activity		Outcome	
2/21/2018	Random screeni	ng	Potential hotspot	
HotspotID	00283	Wegman's		
TaxID	01394266	21 Wegman's Blvd		
CaseID	201800283		Opened 2/21/2018	Closed 2/21/2018
CaseNotes				
Activity Date	e Activity		Outcome	
2/21/2018	Random screeni	ng	Not a hotspot	
HotspotID	00004	Danava Duaad		
Hotspotib	00284	Panera Bread		
TaxID	01394282	3412 Merchant Blvd		
			Opened 2/21/2018	Closed 2/21/2018
TaxID	01394282 201800284			Closed 2/21/2018
TaxID	01394282 201800284 Some trash scattered a	3412 Merchant Blvd		Closed 2/21/2018
TaxID CaseID CaseNotes	01394282 201800284 Some trash scattered a	3412 Merchant Blvd round dumpsters (containe	d by enclosure)	Closed 2/21/2018
TaxID CaseID CaseNotes Activity Date	01394282 201800284 Some trash scattered a	3412 Merchant Blvd round dumpsters (containe	d by enclosure) Outcome	Closed 2/21/2018
CaseID CaseNotes Activity Date 2/21/2018	01394282 201800284 Some trash scattered a Activity Random screening	3412 Merchant Blvd round dumpsters (containe	d by enclosure) Outcome	Closed 2/21/2018
CaseID CaseNotes Activity Date 2/21/2018 HotspotID	01394282 201800284 Some trash scattered a Activity Random screenii 00300	3412 Merchant Blvd round dumpsters (containe	d by enclosure) Outcome	Closed 2/21/2018 Closed 2/21/2018
CaseID CaseNotes Activity Date 2/21/2018 HotspotID TaxID	01394282 201800284 Some trash scattered a Activity Random screenii 00300 01049798	3412 Merchant Blvd round dumpsters (containe	Outcome Not a hotspot	
CaseID CaseNotes Activity Date 2/21/2018 HotspotID TaxID CaseID	201800284 Some trash scattered a Activity Random screenii 00300 01049798 201800300 Some trash in BMP	3412 Merchant Blvd round dumpsters (containe	Outcome Not a hotspot	



HotspotID	00320	Wawa		
TaxID	01337807	3500 Woodsdale Rd		
CaseID	201800320		Opened 2/21/2018	Closed 2/21/2018
CaseNotes	Good functioning BMP	. Spill kit in place for fueling	area.	
Activity Date	e Activity		Outcome	
2/21/2018	Random screeni	ng	Potential hotspot	
HotspotID	00321	YMCA		
TaxID	01353977	101 Walter Ward Blv	d	
CaseID	201800321		Opened 2/21/2018	Closed 2/21/2018
CaseNotes	Mini-buses should not channel behind the bui		There is room to install a pond	along the stream
Activity Date	e Activity		Outcome	
2/21/2018	Random screeni	ng	Potential hotspot	
				· · · · · · · · · · · · · · · · · · ·
HotspotID	00322	Ocean City Brewing C	ompany	
HotspotID TaxID	00322 01394290	Ocean City Brewing C 3414 Merchant Blvd	Company	
			Opened 2/21/2018	Closed 2/21/2018
TaxID	01394290	3414 Merchant Blvd		Closed 2/21/2018
TaxID	01394290 201800322 A little messy around g	3414 Merchant Blvd		Closed 2/21/2018
TaxID CaseID CaseNotes	01394290 201800322 A little messy around g	3414 Merchant Blvd rease bin.	Opened 2/21/2018	Closed 2/21/2018
CaseID CaseNotes Activity Date	01394290 201800322 A little messy around g Activity	3414 Merchant Blvd rease bin.	Opened 2/21/2018 Outcome	Closed 2/21/2018
CaseID CaseNotes Activity Date 2/21/2018	01394290 201800322 A little messy around g Activity Random screening	3414 Merchant Blvd rease bin.	Opened 2/21/2018 Outcome Potential hotspot	Closed 2/21/2018
CaseID CaseNotes Activity Date 2/21/2018 HotspotID	01394290 201800322 A little messy around g Activity Random screening 00247	3414 Merchant Blvd rease bin. ng Boyle Buick	Opened 2/21/2018 Outcome Potential hotspot	Closed 2/21/2018 Closed
CaseID CaseNotes Activity Date 2/21/2018 HotspotID TaxID	01394290 201800322 A little messy around g Activity Random screening 00247 01016539	3414 Merchant Blvd rease bin. ng Boyle Buick 3015 and 3025 Emmo	Opened 2/21/2018 Outcome Potential hotspot orton Rd	
CaseID CaseNotes Activity Date 2/21/2018 HotspotID TaxID CaseID	01394290 201800322 A little messy around g Activity Random screenii 00247 01016539 201800247 Evidence of leaks in par	3414 Merchant Blvd rease bin. ng Boyle Buick 3015 and 3025 Emmo	Opened 2/21/2018 Outcome Potential hotspot orton Rd	



HotspotID	00282	Singer Square		
TaxID	01388851	3002 Emmorton Rd		
CaseID	201800282		Opened 2/27/2018	Closed 2/27/2018
CaseNotes	May be possible to eas	ily complete berm around th	e one problematic dumpster	
Activity Date	Activity		Outcome	
2/27/2018	Random screeni	ng	Not a hotspot	
HotspotID	00297	Exxon		
TaxID	01280473	2940 Emmorton Rd		
CaseID	201800297		Opened 2/27/2018	Closed 2/27/2018
CaseNotes	Confirm that trench dra	ains bracketing car wash dra	in to sanitary sewer	
Activity Date	Activity		Outcome	
2/27/2018	Random screeni	ng	Not a hotspot	
HotspotID	00298	Wendy's		
TaxID	01280511	2910 Emmorton Rd		
CaseID	201800298		Opened 2/27/2018	Closed 2/27/2018
CaseNotes	There may be room for	a BMP in grassy area. Some	e loose trash, especially in rear o	of building.
Activity Date	Activity		Outcome	
2/27/2018	Random screeni	ng	Not a hotspot	
HotspotID	00301	Bel Air South Shoppin	g Center	
TaxID	01049801	2108 Emmorton Rd		
CaseID	201800301		Opened 2/27/2018	Closed 2/27/2018
CaseNotes	Spilled grease in front of	of grease bin. Probably roon	n to install small BMP.	
Activity Date	Activity		Outcome	
2/27/2018	Random screeni	ng	Potential hotspot	



HotspotID	00304	Box Hill Square		
TaxID	01158376	2901-2953 Emmortor	ı Rd	
CaseID	201800304		Opened 2/27/2018	Closed 2/27/2018
CaseNotes	Dumpster very near inl	et.		
Activity Date	e Activity		Outcome	
2/21/2018	Random screeni	ng	Potential hotspot	
HotspotID	00209	Festival at Bel Air		
TaxID	01204475	5 Bel Air S Parkway		
CaseID	201800209		Opened 3/15/2018	Closed 3/15/2018
CaseNotes	The dirtiest grease bins discarded, covered, or		sily be covered. Unmarked ba	rrels should be
Activity Date	e Activity		Outcome	
3/15/2018	Random screeni	ng	Potential hotspot	
HotspotID	00281	YourSpace		
TaxID				
TAXID	01343971	2100 Emmorton Rd		
CaseID	01343971 201800281	2100 Emmorton Rd	Opened 3/15/2018	Closed 3/15/2018
		2100 Emmorton Rd	Opened 3/15/2018	Closed 3/15/2018
CaseID	201800281 Very nice site	2100 Emmorton Rd	Opened 3/15/2018 Outcome	Closed 3/15/2018
CaseID CaseNotes	201800281 Very nice site			Closed 3/15/2018
CaseID CaseNotes Activity Date	201800281 Very nice site Activity		Outcome	Closed 3/15/2018
CaseID CaseNotes Activity Date 3/15/2018	201800281 Very nice site Activity Random screening	ng	Outcome	Closed 3/15/2018
CaseID CaseNotes Activity Date 3/15/2018 HotspotID	201800281 Very nice site Activity Random screenii 00286	ng EZ Storage	Outcome	Closed 3/15/2018 Closed 3/15/2018
CaseID CaseNotes Activity Date 3/15/2018 HotspotID TaxID	201800281 Very nice site Activity Random screenii 00286 03181693 201800286	ng EZ Storage	Outcome Not a hotspot Opened 3/15/2018	
CaseID CaseNotes Activity Date 3/15/2018 HotspotID TaxID CaseID	201800281 Very nice site Activity Random screenii 00286 03181693 201800286 Unusual pump was disc	EZ Storage 1900 Emmorton Rd	Outcome Not a hotspot Opened 3/15/2018	



HotspotID TaxID	00287 03194175	McDonalds, M&T Banl 1906 Emmorton Rd	(
CaseID CaseNotes	201800287		Opened 3/15/2018	Closed 3/15/2018
Activity Date	Activity		Outcome	
3/15/2018	Random screenin	ng	Not a hotspot	
HotspotID	00296	Sonic		
TaxID	01267183	1921 Emmorton Rd		
CaseID	201800296		Opened 3/15/2018	Closed 3/15/2018
CaseNotes	Grease should be bette kitchen grease bin	r handled; add berm or cont	ainment, secure contents, or us	e a standard waste
Activity Date	Activity		Outcome	
3/15/2018	Random screenir	ng	Not a hotspot	
HotspotID	00328	Shell		
TaxID	03204006	1902 Emmorton Rd		
CaseID	201800328		Opened 3/15/2018	Closed 3/15/2018
CaseNotes	Lots of trash in wooded admit more flow to the		e blocked with sediment; they s	hould be cleared to
Activity Date	Activity		Outcome	
3/15/2018	Random screenir	ng	Potential hotspot	
HotspotID	00248	Cracker Barrel		
TaxID	01302698	1440 Handlir Dr		
CaseID	201800248		Opened 3/27/2018	Closed
CaseNotes	Poor waste managemen	nt		
Activity Date	Activity		Outcome	
3/27/2018	Random screenir	ng	Follow up needed	



HotspotID	00289	EZ Quick Food Market		
TaxID	01059203	2105 Calvary Rd		
CaseID	201800289		Opened 3/27/2018	Closed 3/27/2018
CaseNotes	Install cage or screen to blocked (perhaps for tra		ring inlet. Inlet at northwest o	corner is intentionally
Activity Date	Activity		Outcome	
3/27/2018	Random screenir	ng	Not a hotspot	
HotspotID	00290	3rd Base Wine and Sp	irits	
TaxID	01080636	2029 S Fountain Green	n Rd	
CaseID	201800290		Opened 3/27/2018	Closed 3/27/2018
CaseNotes				
Activity Date	Activity		Outcome	
3/27/2018	Random screenir	ng	Not a hotspot	
HotspotID	00302	CAM Trasnmission and	d Auto Repair	
HotspotID TaxID	00302 01080652	CAM Trasnmission and 2036 Calvary Rd	d Auto Repair	
			Opened 3/27/2018	Closed 3/27/2018
TaxID	01080652	2036 Calvary Rd	·	Closed 3/27/2018
TaxID CaseID	01080652 201800302 Could install rain barrel	2036 Calvary Rd	·	Closed 3/27/2018
CaseID CaseNotes	01080652 201800302 Could install rain barrel	2036 Calvary Rd at downspouts	Opened 3/27/2018	Closed 3/27/2018
CaseID CaseNotes Activity Date	01080652 201800302 Could install rain barrel Activity	2036 Calvary Rd at downspouts	Opened 3/27/2018 Outcome	Closed 3/27/2018
CaseID CaseNotes Activity Date 3/27/2018	01080652 201800302 Could install rain barrel Activity Random screenin	at downspouts	Opened 3/27/2018 Outcome	Closed 3/27/2018
CaseID CaseNotes Activity Date 3/27/2018 HotspotID	01080652 201800302 Could install rain barrel Activity Random screenin	at downspouts Shell	Opened 3/27/2018 Outcome	Closed 3/27/2018 Closed 3/27/2018
CaseID CaseNotes Activity Date 3/27/2018 HotspotID TaxID	01080652 201800302 Could install rain barrel Activity Random screenin 00318 01302701 201800318	2036 Calvary Rd at downspouts ng Shell 4270 Philadelphia Rd	Opened 3/27/2018 Outcome Potential hotspot	Closed 3/27/2018
CaseID CaseNotes Activity Date 3/27/2018 HotspotID TaxID CaseID	01080652 201800302 Could install rain barrel Activity Random screenir 00318 01302701 201800318 Functioning BMP on socialso.	2036 Calvary Rd at downspouts ng Shell 4270 Philadelphia Rd	Opened 3/27/2018 Outcome Potential hotspot Opened 3/27/2018	Closed 3/27/2018

Hotspot Cases Active between July 1, 2017 and June 30, 2018



HotspotID	00319	Riverside Sttion Shopping Center
TaxID	01302744	1402-1410 Handlir Dr

01302744 1402-1410 Handlir Dr

CaseID 201800319 Opened 3/27/2018 Closed 3/27/2018

CaseNotes Pizza Hut dumpsters and grease bins very close to inlet; berm or add spill kits. Gather and discard

numerous boxes loose on lot and in woods.

Activity Date Outcome Activity

3/27/2018 Random screening Potential hotspot

Hotspot categories are based on Center for Watershed Protection Urban Stormwater Restoration Manual 11, Chapter 4 Severe hotspot = Immediate enforcement action needed Confirmed hotspot = High potential for pollution

Potential hotspot = Moderate potential for pollution Not a hotspot - Low potential for pollution



Green Choices ... Heathly Streams

Harford Streams is a program developed and administered through Harford County Department of Public Works

HARFORD COUNTY ILLICIT DISCHARGE INSPECTION PROGRAM: SUMMARY REPORT MONITORING PERIOD JULY 2017 - JUNE 2018

Prepared for

Harford County
Department of Public Works
Division of Construction Management
212 South Bond Street
Bel Air, Maryland 21014

Prepared by

Versar, Inc. 9200 Rumsey Road, Suite 1 Columbia, MD 21045

FINAL: December 2018



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ACRONYMS

DO Dissolved Oxygen

GIS Geographic Information System
GPS Global Positioning System
HSI Hotspot Site Investigation

IDDE Illicit Discharge Detection and Elimination

IDP Illicit Discharge Potential

MS4 Municipal Separate Storm Sewer System
MDE Maryland Department of the Environment

NA Not Applicable

NAD North American Datum

NPDES National Pollutant Discharge Elimination System

SW Stormwater

ABBREVIATIONS AND UNITS OF MEASURE

Cl Chlorine
cm Centimeter
Cu Copper
l Liter
mg Milligram
mS Millisiemens

NTU Nephelometric Turbidity Unit

O₂ Oxygen unk Unknown

1.0 INTRODUCTION

On an annual basis, Harford County conducts inspections of its Municipal Separate Storm Sewer System (MS4) outfalls and commercial and industrial facilities within its jurisdiction to detect discharges to the MS4 network from non-stormwater sources, and to identify pollution sources from activities on commercial and industrial parcels. Such inspections are a requirement of the County's National Pollutant Discharge Elimination System (NPDES) permit. They reflect the County's ongoing commitment to the identification, isolation, and correction of illicit discharges into the MS4 network and upland polluting conditions threatening the health of county waterways. The County conducts outfall screening during dry weather conditions to target flows that are specifically not associated with rain events. The County is required to screen 100 outfalls under its jurisdiction annually.

Dry weather discharges are defined as any non-stormwater flow in the MS4 which may arise from one or more of the following causes (Brown et al. 2004):

- Inadvertent connection of sewage and septic flows;
- Washwater flows, such as residential gray water (laundry) discharges; water from commercial car washes, fleet washing, or commercial laundries; and floor washing to shop drains;
- Liquid wastes such as oil, paint, and process water that enter the storm drain system;
- Tap (potable) water;
- Landscape irrigation; and
- Groundwater or spring water.

Illicit discharges are those dry weather flows that contain pollutants or pathogens. Water quality testing is used to distinguish illicit discharges (sewage, septic flow, washwater, tap water additives, and wastes) from cleaner discharges such as groundwater.

During the 2017-2018 reporting period, Harford County's construction inspectors conducted the initial assessments for pre-selected and randomly selected outfalls during dry weather to identify outfalls with possible illicit discharges from normal stormwater runoff and discharges from other, natural sources, such as groundwater. The County crews reported any outfall that was found to have flowing discharge during dry weather conditions to the County consultant, Versar, Inc. (Versar) for a complete assessment, including physical inspections and chemical tests. Versar staff also conducted a retest for any outfall that was flowing during the first (Versar) inspection.

To address potential upland sources of pollution that may contribute to decreased water quality in receiving streams, the County completes a required 50 commercial and industrial inspections on an annual basis. Commercial and industrial parcels are potential pollutant "hotspots" because they offer a high potential for illicit discharges to the MS4. Illicit discharge

from "hotspots" may be a consequence of one or more of the following conditions (Wright et al. 2005):

- Outdoor material storage (e.g., unprotected storage of pesticides, solvents, bulk materials, or hazardous materials);
- Vehicle operations (e.g., outdoor maintenance, uncovered fueling operations);
- Uncovered storage of trash or presence of leaking dumpsters;
- Condition of the physical plant (e.g., connection of downspouts, poor condition of building(s), poor condition of pavement); and
- Inappropriate landscape management (e.g., inadequate or inappropriate turf management, presence of non-target irrigation), and condition of stormwater infrastructure (e.g., absence of stormwater controls, litter in gutters).

During the period from December 2017 to March 2018, Versar field teams visited 53 commercial and industrial parcels to conduct visual surveys of storage practices, vehicle operations, physical plant condition, waste management, and landscape management practices to determine whether a confirmed hotspot existed on the property at the time of the survey. If an acute or ongoing pollution problem had been found and reported, staff from the County would have conducted a thorough second investigation of the conditions at the parcel to identify and initiate the necessary steps to eliminate the pollution source. Additional measures that the County may take to raise awareness of stormwater pollution include public outreach and education.

This report documents the field results for Harford County's 2017-2018 illicit discharge and commercial and industrial hotspot site inspection program. The following sections describe the site selection protocol for Illicit Discharge Detection and Elimination (IDDE) target outfalls, field inspection methods, and results of field inspection as well as source determination of confirmed pollution problems located within the MS4, if applicable, or resulting from activities on commercial and industrial sites. Complete results are provided in a Microsoft Access database that accompanies this report.

2.0 METHODS

2.1 ILLICIT DISCHARGE DETECTION

2.1.1 IDDE Site Selection

During the 2017-2018 effort, Harford County staff conducted the majority of the outfall screening effort. The County did not draw upon the prioritized list of outfalls that had been used during the previous several years to identify outfalls for screening. County staff modified the outfall screening procedure to improve cost efficiency, increase the number of outfalls initially inspected for flowing discharge (up to 200 sites; twice the required number), and better utilize existing County resources. County staff selected a set of target outfalls by geographic region through desktop analysis, and provided the data within an iPad application for use in the field surveys. County staff also conducted random outfall screening near work assignment sites if time permitted. Staff collected identification, physical condition, and secondary illicit discharge indicator data at each outfall. County staff noted any flowing outfalls encountered during dry weather conditions and provided lists of the flowing outfalls to Versar in batches on a monthly basis for follow-up inspections and evaluation (outfalls discharging groundwater did not qualify for these follow-up inspections).

2.1.2 IDDE Field Screening Procedures

Versar staff received information from Harford County when crews had discovered a flowing outfall. Versar staff created a Geographic Information Systems (GIS) data set for the reported flowing outfalls in preparation for field visits for the 2017-2018 survey. Staff used this digital data set and other data (e.g., aerial photography, stormwater infrastructure elements, streams, roads) to develop a map of each target outfall to assist field staff in locating the sites. Staff also installed relevant data into a Trimble ProXT differential Global Positioning System (GPS) unit so that field staff could confirm the target outfalls on-site and identify the associated MS4 infrastructure; this facilitates tracking flowing water. Versar staff also created and installed electronic forms for recording data directly into the GPS during the field surveys (see Appendix B for data sheet elements).

Versar staff conducted field screening of outfalls in seven separate two-day sessions (including initial visits, revisits, and trackdowns) during the reporting period. Field staff visited all sites after at least a 24-hour dry weather period (i.e., a period involving less than 0.10 inches of precipitation that would otherwise mask improper discharges), as required by the Dry Weather Screening Plan (Versar 2010). Dry weather screening included the following activities for each site:

- Locating the outfall using GPS coordinates provided to Versar by the County (Appendix A) and recording the "field" coordinates of the outfall on-site;
- Photographing the outfall;
- Inspecting the outfall and surrounding area for signs of damage, staining, vegetation growth, sedimentation, or erosion;
- Inspecting the outfall for physical evidence of dry weather flow;
- Performing water chemistry tests in the field if the outfall had a flowing discharge, and performing cursory source tracking of any discharge; and
- For any outfall that exhibited flow, re-inspecting and re-testing the same site the following day, if feasible.

Field teams chemically tested dry weather discharge from outfalls using Chemetrics colorimetric field test kits. Teams used a Lamotte color kit to determine color in the effluent. Staff measured water quality parameters such as dissolved oxygen, pH, and specific conductivity with a YSI or an *In-situ* Troll multiparameter sonde. Staff calibrated the YSI daily prior to performing field investigations. Field teams calibrated the *In-situ* sonde, which features an optical dissolved oxygen probe, less often, but at intervals not longer than manufacturer specifications. Versar's (2010) Illicit Discharge Monitoring Program manual contains details on instrument operation instructions and calibration procedures.

At the end of each field day, Versar staff uploaded all electronic data from the GPS to Versar's computer network server. Field staff also uploaded digital photograph files from the field camera to Versar's server. Staff created back-up copies of the files on the server daily, in accordance with Versar's corporate safe data policy.

2.1.3 Discharge Classification

The illicit discharge monitoring program protocol includes water quality testing to determine detectable concentrations of one or more of a list of analytes: chlorine, copper, phenols, and surfactants (detergents); these results combined with the tested levels of other parameters guide the field teams through identifying and classifying an illicit discharge. The presence of chlorine can indicate either tap water leaking (e.g., from a broken supply pipe) or sewage. Source tracking and subsequent analyses can be used to further define the discharge. The presence of residual chlorine and copper with low turbidity but no odor can be used to classify the discharge as tap water. The presence of surfactants, copper, and residual chlorine can be used to classify the discharge as washwater. Discharges with no residual chlorine, and exhibiting low conductivity and turbidity can be classified as groundwater infiltration.

Field crews classified the likelihood that an outfall discharge may be illicit by evaluating the combination of testing results exceeding defined thresholds for each sample. Crews compared the results of screening tests to the criteria presented in Table 2-1 to assist in identifying the

possible source of a suspected improper discharge or illicit connection. Discharges most likely to be illicit exceeded thresholds for both residual chlorine and copper or surfactants, those likely to be illicit exceeded for either chlorine or copper, and those less likely had exceeding levels for any other measured parameter.

Table 2-1. Analytes, non-chemical parameters, testing ranges, and action criteria for dry weather discharge screening in Harford County

	Effluent Type	Action	Minimum Detection	Instrument	
Analyte	Indicated	Criterion	Limit	Range	Kit or Probe
residual chlorine (Cl)	industrial, drinking water, sewage,	> 0.05 mg/L ^(a)	0.05 mg/l	0 to 5 mg/l	color comparator
color	sewage, washwater	> 20 color units	NA	NA	color kit
copper (Cu)	industrial	$> 0.05 \text{ mg/L}^{(a)}$	0.05 mg/l	0 to 10 mg/l	color comparator
phenols	dry cleaning	$> 0.05 \text{ mg/L}^{(a)}$	0.05 mg/l	0 to 12 mg/l	color comparator
turbidity	industrial, sewage, washwater	≥ 1000 NTU ^(b)	0 NTU	NA	sonde
surfactants (detergents)	sewage, washwater	> 0.25 mg/L (residential) ^(b)	0.15 mg/l	0.15 to 1 mg/l	single analyte meter
dissolved oxygen (DO)	sewage	NA	NA	NA	sonde
water temperature	sewage	> 23.9 C ^(c)	NA	NA	sonde
рН	industrial, washwater	$\leq 5 \text{ (industrial)}^{(b)}$	NA	0 to 14	sonde
conductivity	industrial	> 2 mS/cm (industrial) ^(b)	NA	NA	sonde

⁽a) Exceedance criterion based on the test range of the field kit

NA: Not Applicable

⁽b) Source: Brown et al. (2004)

⁽c) Source: Baltimore County (2007)

2.2 COMMERCIAL AND INDUSTRIAL FACILITY INSPECTIONS

2.2.1 Facility Site Selection

Harford County staff suggested the general areas to be investigated for the 2017-2018 facility inspections. In accordance with these suggestions, Versar staff restricted possible target parcels to several areas of interest in the Abingdon, Belcamp, Emmorton, and Perryman regions of Maryland. Staff submitted the proposed target parcels to Harford County for approval. After removing parcels that County staff rejected, Versar staff compiled a set of 61 candidate parcels to be inspected for potential polluting influences on the MS4 network sufficient to be classified as pollution source "hotspots." In general, the selection process for the program includes a subset of possible land use categories to target those uses that are subjectively determined to have the highest pollution potential; the descriptions of the refined list are presented in Table 2-2. Versar staff created field maps of individual or clustered target parcels at a scale which would enable field teams to distinguish features on the aerial photographs and to sketch features of interest directly on the maps.

Table 2-2. Land	use codes used to select facilities for hotspot investigations
Land Use Code	Description
2110	Automobile sales or service establishment (towing)
2120	Gasoline service (includes associated convenience store)
2140	Consumer goods, other
2230	Scientific and technical services
3100	Manufacturing
3200	Warehouse and storage and distribution
4140	Truck and freight transportation services
7200	Machinery and heavy construction
7300	Special trade contractor (installation or repair services)
8500	Retail and industrial
8700	Other mixed uses
9600	Vacant (with building)
9700	Unimproved
9901	Outdoor storage for an adjacent property

2.2.2 Commercial and Industrial Facility Field Inspections

Versar field teams conducted Hotspot Site Investigations (HSIs) at the target commercial and industrial parcels using methods set forth in Wright et al. (2005) and modified for Harford County. Versar completed the HSIs during the period December 2017 to March 2018. The field teams restricted their activities in evaluating parcels chosen from the desktop procedure outlined above to observing conditions at each target site from the vantage points of their vehicles (i.e., "windshield" surveys) or performing limited investigations on foot. In general, prior to the inspection and when practical, staff announced themselves to property managers or employees and presented the letter of introduction provided by the County for the surveys. To document conditions in parcels with inaccessible equipment or vehicle storage areas (due to enclosures), field teams surveyed the equipment and conditions from a nearby area and noted and photographed visible signs of any potential pollution problems; teams then parked elsewhere and completed the HSI field data sheets.

Field teams conducted HSIs using the inspection criteria on the HSI field data sheet (Appendix C) as a guide. Teams documented conditions at each site by filling in the forms and taking photographs. Versar staff notified the County soon after the inspections regarding the status of any parcel that exhibited obvious pollution problems (i.e., "confirmed" hotspots) during the site visits, as determined from guidelines defined on the field data sheets. Additionally, field crews inspected parcels for the presence of any above-ground waste oil tanks of or exceeding 1,000-gallon capacity or fuel oil tanks of or exceeding 10,000-gallon capacity; these tanks are regulated by the Maryland Department of the Environment (MDE). MDE also has the right to require an oil storage facility of less than 10,000-gallon capacity to be stored with secondary containment if the facility is in a location likely to pollute the waters of the state in the event of a leak or a spill.

Versar personnel completed HSI forms for each target site, noting conditions evident for storage, waste, buildings and grounds, and stormwater facilities; on the form, filled circles would indicate potential sources of pollution, and checked boxes would indicate observed polluting conditions. Field teams tallied the filled-in circles and checked boxes for each HSI form and used the results to rate the hotspot status according to the following scale:

- Fewer than 5 filled circles and no boxes checked: Not a hotspot
- 5 to 10 filled circles and no boxes checked: Potential hotspot
- 10 to 15 filled circles or 1 box checked, or both: Confirmed hotspot
- More than 15 filled circles or 2 or more boxes checked, or both: Severe hotspot

3.0 RESULTS

3.1 OUTFALL INSPECTIONS

3.1.1 Summary of Screening Results

Harford County staff screened 196 MS4 outfalls during the 2017-2018 reporting period; of these, Versar staff tested 22 outfalls that the County staff had reported as flowing during site inspections starting in April 2017. Versar staff conducted field assessments and tests of the selected flowing outfalls from July 11, 2017 to May 4, 2018. Table 3-1 presents a summary of the results of Versar's IDDE dry weather screening activities. A full set of screening data are contained in a Microsoft Access database that accompanies this report.

Table 3-1. Summary of Harford County dry weather IDDE screening results for flowing
outfalls, Versar's results only, 2017-2018 reporting year; only the most dominant
result for illicit discharge indicators is noted for each outfall

Watershed/ Subwatershed	Outfalls Visited and Screened	Target outfalls Not Screened	Flowing Outfalls Tested and Retested	Outfalls with Discharge Less Likely to be Illicit	Outfalls with Discharge More Likely to be Illicit	Outfalls with Discharge Most Likely to be Illicit
Atkisson Reservoir	4	0	4	1 (color)	0	1 (surfactants)
Bush River	1	0	1	0	0	0
Bynum Run	3	0	3	0	0	0
Deer Creek	2	0	2		0	0
Gunpowder River	0	0	0		0	0
Little Gunpowder Falls	2	0	2	0	0	1 (surfactants)
Lower Winters Run	0	0	0	0	0	0
Total	12	0	12	1	0	2

All of the 22 sites that the County had submitted for further investigation were subsequently successfully visited by Versar field staff. In the 2017-2018 reporting period, Versar staff did not include additional searches for nearby outfalls or new outfalls; this activity had been part of the field protocols in previous monitoring years before 2015. Of the 22 outfalls screened, Versar field teams found 12 to be flowing; teams conducted tests at these sites, and returned later to repeat the screening steps, according to protocol. Appendix D contains maps showing the locations of the 22 investigated sites.

Field staff also performed a cursory source tracking of flowing outfalls using data in the GPS and maps of the storm drain infrastructure. Of the twelve flowing sources tracked, no discrete sources were found; although, the field crews found two outfalls with concentrations of surfactants that would indicate a pollution problem. In many cases, the source of the flowing water was assumed to be groundwater or snow melt.

Test results for 10 of the flowing outfalls did not exceed the water quality thresholds for any of the measured parameters during either the initial screenings or re-test of discharge. One of the 12 flowing outfalls indicated a low likelihood for illicit discharges (Table 3-2); the implicating factor was color in the initial and retest samples. No effluent tested during the 2017-2018 reporting period indicated an increased likelihood for illicit discharge from the outfalls involved in the screening. Two outfalls exhibited levels of contaminants that exceeded the criteria (for surfactants); the results that triggered this assessment for these two sites are shown in Table 3-3. Versar provided site specific reports on screening results at outfall OF001118 and outfall OF001524 to Harford County on July 24, 2017 and October 25, 2017, respectively.

Table 3-2. Initial and re-test field screening results for outfalls with a low likelihood for illicit connection. Only values exceeding thresholds during either the initial test or re-test, as detailed in Table 2-1, are shown.

Date of Test	Test Description	Color (color units)	Phenols (mg/l)	Turbidity (NTU)	Temperature (degrees C)	pН	Conductivity mS/cm						
	Bear Cabin Drive outfall (ID: OF000034)												
5/3/2018	Initial	40											
5/4/2018	Retest	40											

Table 3-3. Initial and re-test field screening results for discharges most likely to indicate an illicit connection. Only values exceeding thresholds during either the initial test or re-test, as detailed in Table 2-1, are shown.

	Test	Chlorine	Copper	Surfactants								
Date of Test	Description	(mg/L)	(mg/L)	(mg/L)								
7/11/2017	Initial			0.65								
7/12/2017	Retest			0.3								
	Chatelaine Drive outfall (ID: OF001524)											
10/19/2017	Retest			0.3								

3.1.2 Outfalls Requiring Maintenance

Field teams assessed that four outfalls surveyed during the reporting period require maintenance. The maintenance issues requiring attention are listed in Table 3-4. Examples of conditions requiring maintenance included deteriorating and detached components.

Table 3-4. Main	Table 3-4. Maintenance problems identified during outfall screening									
Outfall ID	Maintenance Issue									
OF000083	Concrete pipe will fall into scoured pool in the near future									
OF000953	Last two feet of pipe are rusted out									
OF001360	Sediment blocks path to rip rap									
OF001563	Pipe has a hole on the top, and no cover for 22 feet									

3.2 COMMERCIAL AND INDUSTRIAL FACILITY INSPECTIONS

Versar field teams conducted inspections of industrial or commercial facilities between December 21, 2017, and March 27, 2018, to identify and qualify potential sources of pollution to the MS4 network. Teams inspected single parcels or clusters of parcels associated with one business (these are also referred to as "parcels," for simplicity) using the HSI guidelines noted above. Field assessments and subsequent data review determined that 18 of the 53 parcels were likely not hotspots, based on conditions observed during the field surveys (Table 3-5). Thirty-three parcels received sufficient marks to qualify as "potential" hotspots (Table 3-6). The remaining two parcels exhibited poor conditions in several inspection categories and qualified as "confirmed" hotspots (Table 3-7). Versar staff reported the first confirmed site found (Boyle Buick) to the County on March 2, 2018; the second site (Cracker Barrel) on April 6, 2018.

Tables 3-5 through 3-7 contain the lists of completed facility inspection results and potential pollution sources noted above. An "X" appearing within these tables denotes a potential source of pollution noted within a specific hotspot category (e.g., Vehicle Operations). Appendix E contains maps that show the location of sites inspected for the 2017-2018 reporting period and nearby sites that have been inspected in previous years.

Table 3-5	Table 3-5. Inspection results for facilities found to be not a hotspot											
Parcel ID	Address	Town	Business Name	Inspected	Vehicle Operations	Outdoor Materials	Waste Management	Physical Plant	Turf/ Landscaping	Stormwater Infra- structure	Notes	
01059203	2105 Calvary Road	Bel Air	EZ Quick Food Market	3/27/2018			X	X		X	Install cage or screen to keep large trash from entering inlet Inlet at northwest parcel is intentionally blocked (perhaps for trash or rodents)	
01080636	2029 South Fountain Green Road	Bel Air	3rd Base Wine and Spirits	3/27/2018			X	X		X	(۲۰۰۰۰-۲۰۰۰-۲۰۰۰-۲۰۰۰-۲۰۰۰-۲۰۰۰-۲۰۰۰-۲۰	
01158929	4600 Mercedes Drive	Belcamp	Böttcher America Corp.	2/13/2018		X	X	X			Could possibly disconnect some downspouts in the rear	
01178555	1211 Belmar Road	Belcamp	Tilley Chemical Co.	1/19/2018	X		X	X			Most parking lot runoff would go to grassy areas or BMP	
01178598	4609 Richlynn Drive	Belcamp	TIC Gums, Inc.	1/30/2018	X	X	X	X		X	Divert the downspouts discharging to the loading dock area (rain barrels)	
01214322	4620 Mercedes Drive	Belcamp	Citrus and Allied Essences	2/13/2018		X	X	X			Old fuel oil and other tanks can be removed	
01260529	4603 (A, B) Compass Point Road	Belcamp	Survice/NTS	1/24/2018		X	X	X			May be able to dispose of scrap metal	
01267183	1921 Emmorton Road	Bel Air	Sonic	3/15/2018			X	X		X	Grease should be better handled; add berm or containment, secure contents, or use a standard waste kitchen grease bin	
01280473	2940 Emmorton Road	Abingdon	Exxon	2/27/2018	X			X			Confirm that trench drains bracketing car wash drain to sanitary sewer	
01280511	2910 Emmorton Road	Abingdon	Wendy's	2/27/2018			X	X	X		There may be room for a BMP in grassy area Some loose trash, especially in rear of building	

Table 3-5	Table 3-5. Continued											
Parcel ID	Address	Town	Business Name	Inspected	Vehicle Operations	Outdoor Materials	Waste Management	Physical Plant	Turf/ Landscaping	Stormwater Infra- structure	Notes	
01291890	4613 Mercedes Drive	Belcamp	Chesapeake Spice Co.	2/13/2018	X		X	X				
01343971	2100 Emmorton Road	Bel Air	YourSpace	3/15/2018	X	X		X	X		Very nice site	
01388851	3002 Emmorton Road	Abingdon	Singer Square	2/27/2018			X	X			May be possible to easily complete berm around the one problematic dumpster	
01394266	21 Wegman's Blvd.	Abingdon	Wegman's	2/21/2018			X	X				
01394282	3412 Merchant Blvd.	Abingdon	Panera Bread	2/21/2018			X	X	X		Some trash scattered around dumpsters (contained by enclosure)	
02061090	1551 Perryman Road	Aberdeen	Perryman Grocery	12/21/2017		X	X	X		X	A lot of trash in parking lot and yard Several old propane tanks appears empty; could be discarded Could install rain barrels, to reduce oil dispersal	
03181693	1900 Emmorton Road	Bel Air	EZ Storage	3/15/2018	X			X			Unusual pump was discharging water to gutter, and then pond	
03194175	1906 Emmorton Road	Bel Air	McDonald's restaurant; M&T Bank	3/15/2018			X	X				
01012142	1 Mercedes Drive	Belcamp	TIC Gums, Inc.	1/30/2018	X	X	X	X		X	Good candidate for pervious restoration Outfall inaccessible, but may have erosion problems May be able to install BMP at east edge of lot	

Table 3-6	Table 3-6. Inspection results for facilities found to be a potential hotspot											
Parcel ID	Address	Town	Business Name	Inspected	Vehicle Operations	Outdoor Materials	Waste Management	Physical Plant	Turf/ Landscaping	Stormwater Infrastructure	Notes	
01035576	4605 Richlynn Drive	Belcamp	Patriot Environmental and AGCO	2/6/2018	X	X	X	X		X	Severe erosion at outfall on northwest corner of lot Appear to be using a bilge pump to evacuate water from low area Could use protection around inlet on southeast edge of lot	
01049798	3004 Emmorton Road	Abingdon	Goodyear	2/21/2018	X	X	X	X			Some trash in BMP	
01049801	2108 Emmorton Road	Bel Air	Bel Air South Shopping Center	2/27/2018		X		X		X	Spilled grease in front of grease bin Probably room to install small BMP	
01080652	2036 Calvary Road	Bel Air	CAM Transmission and Auto Repair	3/27/2018	X	X		X		X	Could install rain barrel at downspouts	
01157442	1207 Belmar Drive	Belcamp	Automated Motion and United Souvenir and Apparel, Inc.	2/6/2018	X		X	X		X	Scattered trash around lot Inlet at northeast corner could be converted to a BMP There is room for a BMP in the southwest corner	
01158376	2900 Emmorton Road	Abingdon	Box Hill Square	2/27/2018		X	X	X	X		Dumpster very near inlet	
01170317	1206 Belmar Drive	Belcamp	J&J Mechanical, Maryland Curb and Fabrication	2/6/2018	X	X	X	X		X	Large scrap storage area adjacent to stream channel Several downspouts have dark staining from discharge	

Table 3-6	i. (Continued)										
Parcel ID	Address	Town	Business Name	Inspected	Vehicle Operations	Outdoor Materials	Waste Management	Physical Plant	Turf/ Landscaping	Stormwater Infrastructure	Notes
01170368	1300 Brass Mill Road	Belcamp	Independent Can Co.	1/30/2018	X		X	X			Could add infiltration area in the middle of the site
01171615	1351 Brass Mill Road	Belcamp	McCormick #2	1/30/2018	X		X	X		X	Large headcut 20 feet downstream of main site outfall Other outfall contributing to headcut is also
											on McCormick property
01173790	1324 Brass Mill Road	Belcamp	Ashland Equipment	1/30/2018	X		X	X			Adjacent parcel owned by Ashland's owner; rented to landscaping company
01175734	4606 Richlynn Drive	Belcamp	Crown Specialty Products	2/6/2018	X		X	X		X	Any stormwater issues stem from one inlet in the middle of the back lot Ultimate outfall from parcel is 300 feet south, on parcel 01170317, where there may be space for a BMP
01183923	1205 Belmar Drive	Belcamp	Increditek	2/12/2018	X	X	X	X		X	Room for small BMP between parking lot (dumpsters) and wetland
01191152	4510 Wharf Point Road	Belcamp	Alliance, Inc.	1/24/2018	X	X	X	X			Dumpster and waste grease bin could be moved away from inlet May be an area to add infiltration on the north side of building Add rain barrels on west side
01199064	1350 Brass Mill Road	Belcamp	Crothall Healthcare Laundry Services	1/19/2018	X	X	X	X		X	Lots of trash in rear Fuel tank could use a cover and containment (a spill kit at a minimum) Large "peroxide" containers should be stored inside

Table 3-6	. (Continued)										
Parcel ID	Address	Town	Business Name	Inspected	Vehicle Operations	Outdoor Materials	Waste Management	Physical Plant	Turf/ Landscaping	Stormwater Infra- structure	Notes
01204475	5 Bel Air South Parkway	Bel Air	Festival at Bel Air	3/15/2018	X	X	X	X			The dirtiest grease bins are in an area that could easily be covered
											Unmarked barrels should be discarded, covered, or sealed
01205307	3484 Emmorton Road	Abingdon	Constant Friendship	2/21/2018	X	X	X	X	X	X	Excessive trash around several dumpsters and inlets
			Shopping Center								May be able to redirect stormwater from upper lot to underutilized lot north of the Exxon; if not, recommend a trench drain or sand filter at Exxon
01220470	1362 Brass Mill Road	Belcamp	D. Wheatley Enterprises	1/19/2018		X	X	X		X	Possible area for BMP at east side of building
											Downspout discharges directly under open dumpster; move one or both
											Materials in storage area could be discarded or recycled
01227440	1361 Brass Mill Road	Belcamp	Multiple	1/18/2018	X		X	X	X		Huge pile of full trash bags behind Active Day (bags moved and replaced daily; confirmed over several revisits to check status) Lots of trash around dumpster, adjacent to
											inlet, and in nearby woods

Table 3-6	Table 3-6. (Continued)										
Parcel ID	Address	Town	Business Name	Inspected	Vehicle Operations	Outdoor Materials	Waste Management	Physical Plant	Turf/ Landscaping	Stormwater Infra- structure	Notes
01227947	4611 Mercedes Drive	Belcamp	National Gypsum	2/13/2018		X	X	X		X	New BMP to be installed "next month" A lot of spilled gypsum near train siding
01260502	4607 McCormick Drive	Belcamp	McCormick	1/24/2018	X		X	X		X	Excessive trash near inlets and along fence Some sediment observed in one inlet
01260510	4605 Compass Point Road	Belcamp	Ross Machine Co.	1/24/2018		X	X	X		X	Could improve drainage to reduce erosion forces in channel
01302701	4270 Philadelphia Road	Bel Air	Shell	3/27/2018	X	X	X	X			Functioning BMP on south edge of lot Wind-blown trash in all directions; some large, dumped items, also
01302744	1402-10 Handlir Drive	Bel Air	Riverside Station Shopping Center	3/27/2018		X	X	X			Pizza Hut dumpsters and grease bins very close to inlet; install berm or add spill kits Gather and discard numerous boxes loose on lot and in woods
01337807	3500 Woodsale Road	Abingdon	Wawa	2/21/2018	X		X	X			Good functioning BMP Spill kit in place for fueling area
01353977	101 Walter Ward Blvd.	Abingdon	YMCA	2/21/2018	X		X	X	X	X	Mini-buses should not be parked on top of inlets There is room to install a pond along the stream channel behind the building
01394290	3414 Merchant Blvd.	Abingdon	Ocean City Brewing Company	2/21/2018		X		X	X		A little messy around grease bin

Table 3-6	Table 3-6. (Continued)										
Parcel ID	Address	Town	Business Name	Inspected	Vehicle Operations	Outdoor Materials	Waste Management	Physical Plant	Turf/ Landscaping	Stormwater Infra- structure	Notes
02050846	1501 Perryman Road	Perryman	Multiple warehouses	1/11/2018	X		X	X		X	
02055961	501 Advantage Avenue	Perryman	WAVE	1/11/2018	X	X	X	X			
02058448	1615 Perryman Road	Aberdeen	New German Performance	1/11/2018	X	X		X		X	Discard or recycle items (mufflers, tiers, old vehicles) There appears to be a treated, old oil spill under the tank (good housekeeping)
02083671	500 Advantage Avenue	Perryman	Bozel	12/21/2017	X	X	X	X		X	There is an area for a retrofit along the northeast edge of lot Empty dumpster more frequently Add recycling bin to hold recyclable materials Inlet approximately 50 feet from fuel island could use protection
02083698	504 Advantage Avenue	Perryman	Multiple: Gordon Food Services, Northeastern Supply	1/11/2018	X	X	X	X			Most runoff appears to be untreated; goes to stream (pond) at north edge of property Off-road diesel pump should have protection, since it is close to an inlet Limited space to install retrofits to protect stream from runoff
03204006	1902 Emmorton Road	Bel Air	Shell	3/15/2018	X		X	X		X	Lots of trash in wooded area of parcel Curb cuts are blocked with sediment; they should be cleared to admit more flow to BMP

Table 3-7	Table 3-7. Inspection results for facilities found to be a confirmed hotspot										
Parcel ID	Address	Town	Business Name	Inspected	Vehicle Operations	Outdoor Materials	Waste Management	Physical Plant	Turf/ Landscaping	Stormwater Infrastructure	Notes
01016539, 01016547	3015 and 3205 Emmorton Road	Abingdon	Boyle Buick	2/27/2018	X	X	X	X			Lots of trash in storage area Can dispose of scrap metal pieces and empty drums Recommend spill kits in lot
01302698	1440 Handlir Road	Bel Air	Cracker Barrel	3/27/2018		X	X	X		X	Grease bin and surrounding area are filthy; inlet is downhill and nearby Site is fairly clean, considering the volume of business

4.0 CONCLUSIONS

During the 2017-2018 reporting year, Harford County staff investigated 196 outfall locations to comply with the Illicit Discharge Monitoring Program and meet NPDES permit requirements. Staff from Harford County's consultant, Versar, inspected the 22 outfalls that had dry weather flows, and tested any observed effluent for water quality indicators. Successful screening of the 22 selected outfalls during the field investigations yielded one outfall with a low likelihood for illicit connection, and two outfalls with a high likelihood, based on the dry weather screening protocols. Field teams did not identify any outfalls with a moderate likelihood of illicit discharge. Source tracking did not identify a potential pollution source for any of the outfalls. Inspectors identified maintenance needs at four of the 22 outfalls.

Versar staff conducted hotspot investigations at 53 commercial and industrial facilities in the general areas of Emmorton, Box Hill, Belcamp, and Perryman (there were also a few parcels in outlying areas). The field teams identified two confirmed hotspots during the reporting period.

5.0 REFERENCES

- Baltimore County. 2007. National Pollutant Discharge Elimination System (NPDES) Annual Report. Section 5 Illicit Connections Program. Baltimore County, Maryland.
- Brown, E., D. Caraco, and R. Pitt. 2004. Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments. Center for Watershed Protection, Ellicott City, MD. October.
- Versar, Inc. 2010. Harford County Illicit Discharge Monitoring Program: Site Selection, Screening, and Quality Assurance Protocols. Prepared by Versar, Inc. for Harford County Department of Public Works, Division of Highways and Water Resources, Bel Air, MD. November.
- Wright, T., C. Swann, K. Cappiella, and T. Schueler. 2005. Unified Subwatershed and Site Reconnaissance: A User's Manual, Version 2.0. Center for Watershed Protection, Ellicott City, MD. February.

APPENDIX A

OUTFALLS SCREENED BY VERSAR DURING THE 2017–2018 PERIOD

Table A-1. Harford County reported flowing outfalls screened by Versar staff during the 2017-2018 reporting period, listed in order of screening

Coordinates Coordinates **Initial Initial** (NAD83 State Plane feet) (NAD83 State Plane feet) **Outfall ID** Inspection **Outfall ID** Inspection Date Date Northing **Easting** Northing **Easting** OF001118 7/11/17 1460631.833 684324.959 OF003353* 9/26/17 1531868.965 667237.411 OF000056* 7/11/17 1502991.353 686162.238 OF001330 9/26/17 1521443.766 694732.749 OF001597 7/11/17 1499815.231 677155.633 OF001327 9/26/17 1520747.031 693901.755 OF000953* 7/12/17 1485638.891 696483.004 OF000083* 10/18/17 1478938.274 674045.692 OF001908* 7/12/17 1508584.018 662953.600 OF001524 10/18/17 1477110.414 674565.632 OF001974 9/21/17 1509522.050 660566.503 OF000868 11/27/17 1450564.682 700902.980 OF001979* 9/21/17 1507076.439 663436.983 OF001854 2/27/18 1498910.405 669486.624 OF000326* 9/21/17 1501490.275 664980.978 OF001563* 5/3/18 1502868.400 682143.060 OF001369* 9/21/17 1513522.151 688887.994 OF000034 5/3/18 1485665.230 689700.700 OF001360* 9/22/17 1522640.982 690334.814 OF000117 5/3/18 1484355.370 665188.210 OF003352 9/26/17 1531926.557 667244.123 OF000381 5/3/18 1502994.080 682447.080

^{*} Outfall was flowing for Harford County screening and not flowing for Versar's initial screening

APPENDIX B

DATA SHEETS FOR DRY WEATHER SCREENING

ILLICIT DISCHARGE INSPECTION FORM HARFORD COUNTY, MARYLAND (PAGE 1 OF 2)

Outfall ID:		Watershed Name:	
Initial Assessment			
Date:		Time:	
Inspectors:		Date of Last Rain:	
Air Temperature (⁰ C):		Rainfall Amount (in.):	
Is flow observed?	Yes No	(if present, complete page 2 and a for	llow-up assessment)
Outfall Description			
Туре:		Height:	
Shape:		Width:	
Material:		Additional components (circle	end wall wing walls flared end
		applicable):	concrete deck pipes manhole
Outfall Location			
GPS northing:		General land use (circle one):	Rural Residential Urban
GPS easting:			11 - Low Density 12 - Medium Density
GPS unit:		Maryland Dept. of Planning land	13 - High Density 14 - Commercial
		use designation (circle one):	15 - Industrial 16 - Institutional
Dhata ID'a			18 - Urban Open Space
Photo ID's:		Nearby address / intersection /	
		utility pole:	
Structural Conditions	(circle one)		
	None	Moderate	Severe
Recommend referral for repair:	Yes	No	
The second secon			
Other comments:			
Other Outfall Conditions	(circle one)		
	None	Moderate	Severe
Erosion at outfall:			
Erosion at outian:			
0.611 1			
Outfall submergence (in):			
Other comments:			
Other comments.			
Vegetative Condition Below Outfall	(circle one)		
regerment Delete Carrain	Normal growth (natural environment)	Excessive growth	Inhibited growth
	Normal growth (natural environment)	Excessive growth	minibled growth
Other comments:			
Deposits / Stains / Algal Growth	(circle applicable)		
	None	Oily	Excessive algal growth
	Sediment	Other (describe below)	Excessive bacterial growth
		,	
Other comments:			
Field Notes / Visual Observances			

Appendix A.xls/Field Sheet 1 Last Updated 05/2010

ILLICIT DISCHARGE INSPECTION FORM HARFORD COUNTY, MARYLAND (PAGE 2 OF 2)

Clarity / turbidity: Other: Other: Other: Floatables: none oil sheen trash toilet paper fecal matter Other debris: Other debris: Other debris: Detergents / surfactants: Color: Odor: none swage chlorine oil/gas rancid-sour sulfur/rotten eggs Other:	utfall ID:		Watershed Name:	
Carrier Carr				
Date				
Time:	(Same as information from	n Page 1 of 2)	(Do not complete if no flow	v is observed) T
Inspectors: Date of Last Rain: Date of Last Rain: Rainfall Amount (in.): Air Temperature (°C): Dry-Weather Flow Information Restinated Flow rate: Trickle Moderate Substantial Measurable Flow rate (cfs or liters/min): (Q = area X velocity in ft per second) Flow depth (inches): Water Quality - Visual and Smell Indicators Water color: Clear brown gray green yellow red Water color: Clear brown gray green yellow red Clarity / turbidity: Clarity /	Date:		Date:	
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Dry-Weather Flow Information	Rainfall Amount (in.):		Rainfall Amount (in.):	
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Ca = area X velocity in ft per second Flow depth (inches):		I		1
Flow depth (inches): Water Quality - Visual and Smell Indicators			` '	
Water Color: Clear brown gray green Water color: Clear Cle				
Water color:	r low depth (inches).	Water Quality - Visua		
Other:		<u> </u>		clear brown gray gree
Clarity / turbidity: Clear cloudy opaque	Water color:	yellow red	Water color:	yellow red
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Conductivity (uS/cm/10 ⁶): Conductivity (uS/cm/10 ⁶):	(YSI meter)			
	Conductivity (uS/cm/10 ⁶):		Conductivity (uS/cm/10 ⁶):	
Additional Field Notes / Visual Observances		Additional Field Nata	/ Vigual Observances	

Appendix A.xls/Field Sheet 2 Last updated 05/2010

HARFORD COUNTY, MD – DRY WEATHER DISCHARGE TRACK DOWN

Subwatershed:	Subwatershed: Outfall ID:										
Date (MM/DD/ YY)	://	20		Track Down M	Method: Move up	trunk Split trunk					
Investigators:				New Branch S	New Branch Series, Starting with Junction:						
ADC Map Page/C	6rid:/			Structure ID:							
				Structure Type	e:						
				*							
Structure ID	Structure Type	Time Visited	Flow (Y/N)	Analyte:	Analyte:	Comments (If junction, fill out new sheet for each branch of network)					
	CI - Curb Inlet YD- Yard Drain Other:			Concentration (Units:)	Concentration (Units:)	ror each brainer or nectionly					
1	odici.										
3											
5											
6											
7											
3											
0											
1											
Stormdrain N	etwork: Plan V	iew Diagra	m (for Sp	olit Trunk or New Br	ranch Series)						
Suspected Outfall	l Source:	Trace I	Lost	Unknown Parcel	ID Number:						
Suspected Source		☐ Tap Wa	ater 🗌	Sewage Wash	water Industri	al Unknown					
Comment on Suspource:	pected										

APPENDIX C

DATA SHEETS FOR FACILITY INSPECTIONS

Hotspot Site Investigation

HSI

WATERSHED:	SUBWATERSHED: UNIQUE SITE ID:									
DATE://	ASSESSED BY:	CAMERA ID:		PIC#:						
MAP GRID: LAT' 'LONG' ' LMK#										
A. SITE DATA AND BASIC CLASSIFICATION										
Name and Address: Category: Institutional Municipal Golf Course Transport-Related SIC code (if available): Basic Description of Operation:										
SIC code (if available): NPDES Status: Regulated Unknown	Basic Description of O	Cration.		INDEX	(*					
B. VEHICLE OPERATIONS N/A (Skip to	part C)		Observed F	Pollution Source?						
B1. Types of vehicles: Fleet vehicles	*	:	Observed	onution Source.						
B2. Approximate number of vehicles:										
B3. Vehicle activities (circle all that apply):	Maintained Repaired Re	cycled Fueled Wa	shed Stored	0						
B4. Are vehicles stored and/or repaired outs Are these vehicles lacking runoff diversion in		t Tell Can't Tell		0						
B5. Is there evidence of spills/leakage from		Can't Tell		0						
B6. Are uncovered outdoor fueling areas pre		n't Tell		0						
B7. Are fueling areas directly connected to storm drains? Y N Can't Tell										
B8. Are vehicles washed outdoors? Y N Can't Tell Does the area where vehicles are washed discharge to the storm drain? Y N Can't Tell										
C. OUTDOOR MATERIALS N/A (Skip to] 1		Pollution Source?						
C1. Are loading/unloading operations present? Y N Can't Tell										
If yes, are they uncovered <i>and</i> draining towards a storm drain inlet? Y N Can't Tell										
C2. Are materials stored outside? Y N Can't Tell If yes, are they Liquid Solid Description: Where are they stored? grass/dirt area concrete/asphalt bermed area										
C3. Is the storage area directly or indirectly	connected to storm drain (cir	cle one)? Y	N ☐ Can't Te	11 0						
C4. Is staining or discoloration around the a	rea visible? 🗌 Y 🔲 N 🛛	Can't Tell		0						
C5. Does outdoor storage area lack a cover?	Y N Can't To	ell		0						
C6. Are liquid materials stored without seco	ndary containment? \(\subseteq \text{Y} \)	☐ N ☐ Can't Tel		0						
C7. Are storage containers missing labels or in poor condition (rusting)? Y N Can't Tell										
D. WASTE MANAGEMENT N/A (Skip to part E) Observed Pollution Sour										
D1. Type of waste <i>(check all that apply)</i> : ☐ Garbage ☐ Construction materials ☐ Hazardous materials										
D2. Dumpster condition (<i>check all that apply</i>): ☐ No cover/Lid is open ☐ Damaged/poor condition ☐ Leaking or evidence of leakage (stains on ground) ☐ Overflowing										
D3. Is the dumpster located near a storm dra If yes, are runoff diversion methods (between the content of the		't Tell □ N □ Can't Tell		0						
E. PHYSICAL PLANT N/A (Skip to part I			Observed I	Pollution Source?						
E1. Building: Approximate age:Evidence that maintenance results in discha										

*Index: O denotes potential pollution source; denotes confirmed polluter (evidence was seen)

Hotspot Site Investigation

HSI

E2. Parking Lot: Approximate age yrs. Condition:														
E3. Do downspouts discharge to impervious surface? Y N Don't know None visible														
Are downspouts directly connected to storm drains?														
E4. Evidence of poor cleaning practices for construction activities (stains leading to storm drain)? Y N Can't Tell														
F. TURF/LANDSCAPING AREAS N/A (skip to part G) Observed Pollution Source														
F1. % of site with: Forest canopy% Turf grass % Landscaping% Bare Soil%														
F2. Rate the turf management status: High Medium Low														
F3. Evidence of permanent irrigation or "non-target" irrigation Y N Can't Tell														
F4. Do landscaped areas drain to the storm drain system?														
F5. Do landscape plants accumulate organic matter (leaves, grass clippings) on adjacent impervious surface? Y N Can't Tell														
G. STORM WATER INFRASTRUCTURE N/A (skip to part H) Observed Pollution Source														
G1. Are storm water treatment practices present?	0													
G2. Are private storm drains located at the facility? Y N Unknown Is trash present in gutters leading to storm drains? If so, complete the index below.														
Index Rating for Accumulation in Gutters														
Clean Filthy														
Sediment $\square 1$ $\square 2$ $\square 3$ $\square 4$ $\square 5$														
Organic material □ 1 □ 2 □ 3 □ 4 □ 5 Litter □ 1 □ 2 □ 3 □ 4 □ 5														
G3. Catch basin inspection – Record SSD Unique Site ID here: Condition: Dirty Clean														
H. INITIAL HOTSPOT STATUS - INDEX RESULTS														
Not a hotspot (fewer than 5 circles and no boxes checked) Potential hotspot (5 to 10 circles but no boxes checked)														
Confirmed hotspot (10 to 15 circles and/or 1 box checked) Severe hotspot (>15 circles and/or 2 or more boxes checked)														
Follow-up Action:														
Refer for immediate enforcement Suggest follow-up on-site inspection														
Test for illicit discharge														
☐ Include in future education effort														
Check to see if hotspot is an NPDES non-filer														
Onsite non-residential retrofit Pervious area restoration; complete PAA sheet and record	+													
Unique Site ID here:	+													
Schedule a review of storm water pollution prevention plan	++													
Notes:	++													
Titles.	++													
	+													
	++													
	++													
	++													
	+													
	+													
	++													

APPENDIX D

MAPS OF OUTFALLS SCREENED BY VERSAR DURING THE 2017–2018 PERIOD

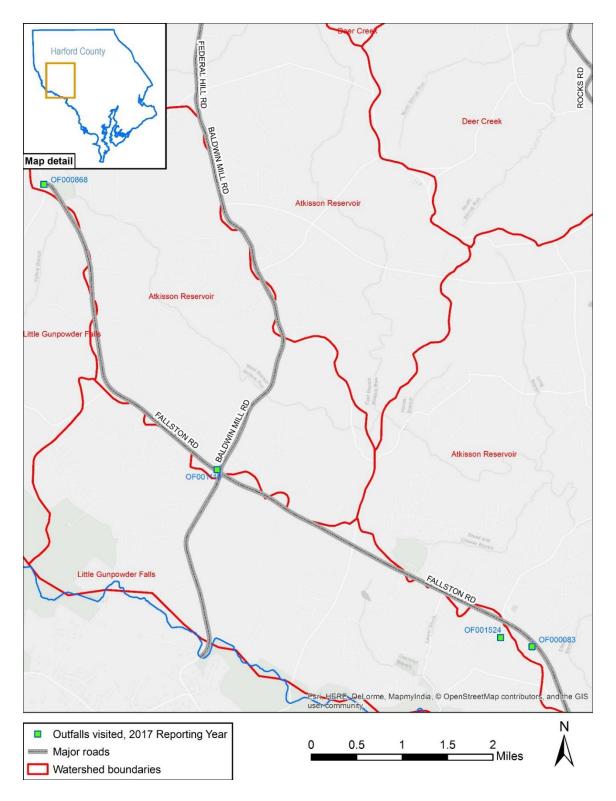


Figure D-1. Map of outfalls visited and screened in the Fallston area, 2017-2018

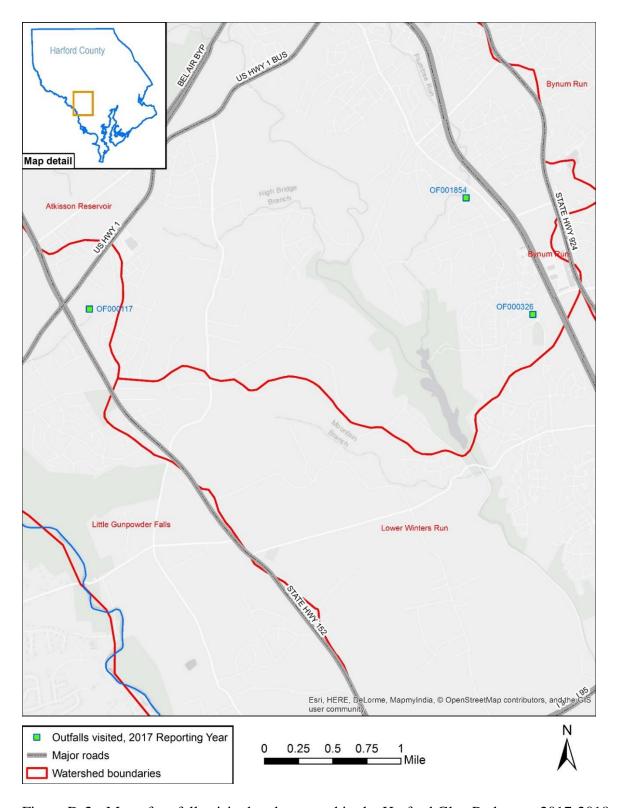


Figure D-2. Map of outfalls visited and screened in the Harford Glen Park area, 2017-2018

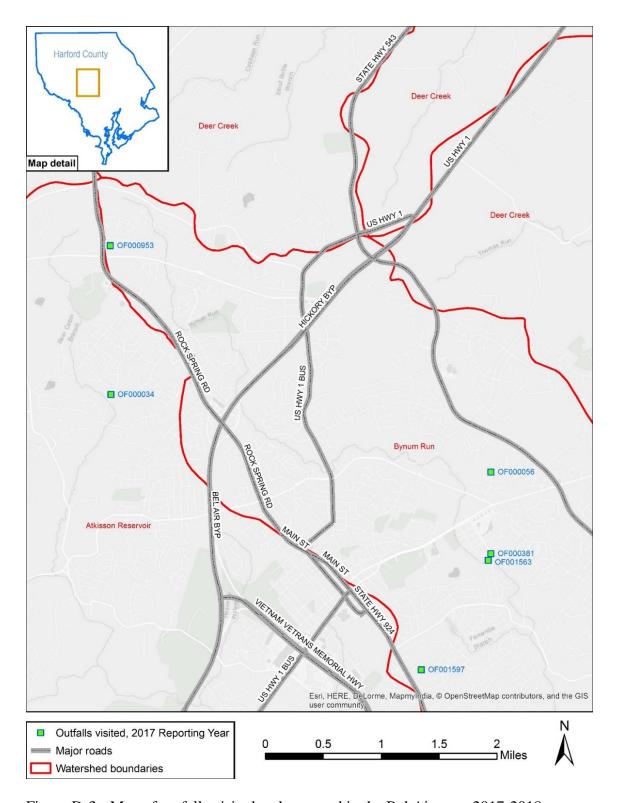


Figure D-3. Map of outfalls visited and screened in the Bel Air area, 2017-2018

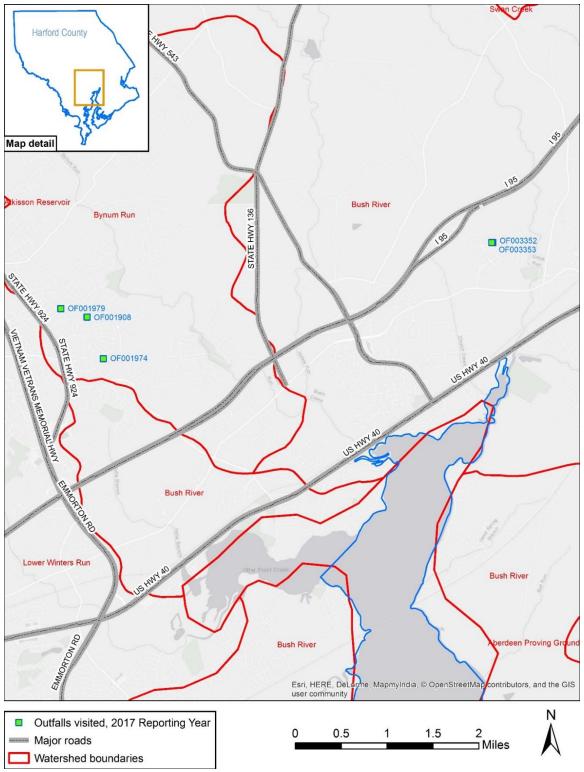


Figure D-4. Map of outfalls visited and screened in the Emmorton-Maryland House area, 2017-2018

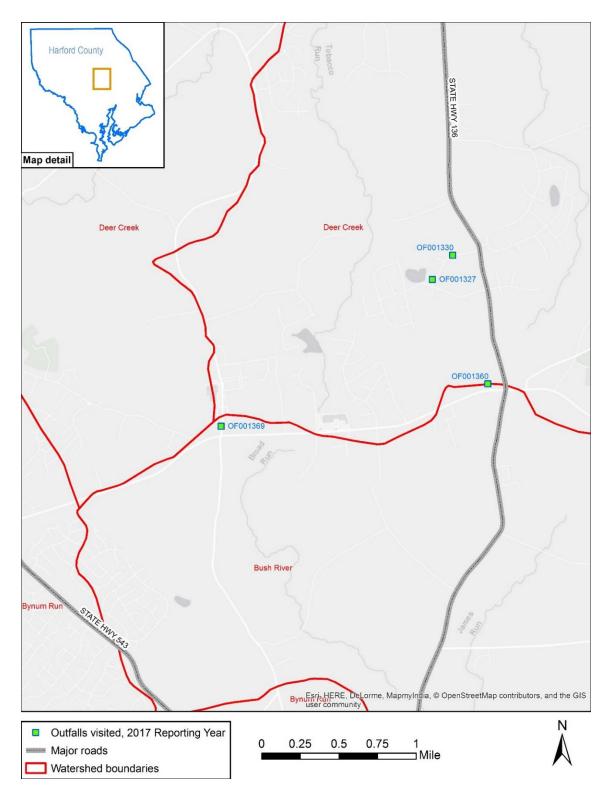


Figure D-5. Map of outfalls visited and screened in the Churchville area, 2017-2018

APPENDIX E

MAPS OF FACILITIES INSPECTED DURING THE 2017–2018 PERIOD

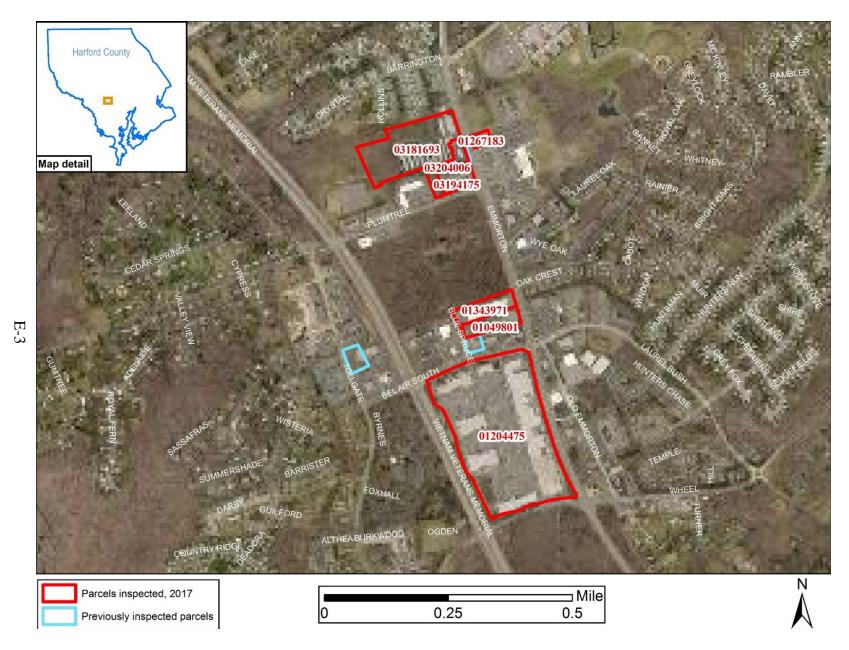


Figure E-1. HSI sites inspected in the Emmorton area for the 2017-2018 reporting year

Figure E-2. HSI sites inspected in the Box Hill area for the 2017-2018 reporting year

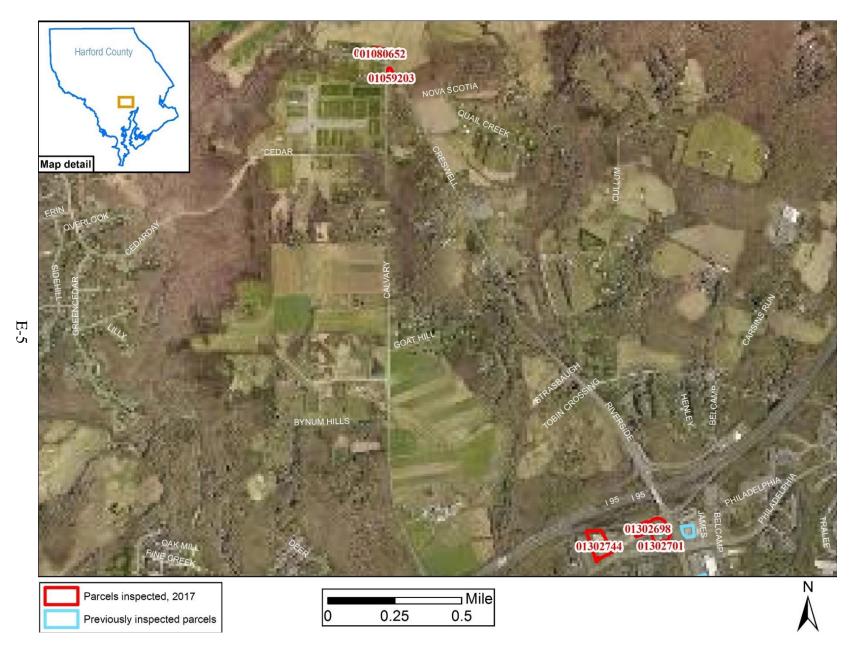


Figure E-3. HSI sites inspected in the Creswell-Riverside area for the 2017-2018 reporting year

Figure E-4. HSI sites inspected in the Belcamp area for the 2017-2018 reporting year

Figure E-5. HSI sites inspected in the Perryman area for the 2017-2018 reporting year

	Annual Hazmat Response Record									
FIRE INCIDENT #	RESPONSE CODE	HAZMAT INCIDENT	DATE	LOCATION	BOX NUMBER	FIRE COMPANY	DESCRIPTION	NOV	WATERSHED	ENTERED WATERWAY
17-169213		17-083	7/9/2017	1523 ROCK SPRING ROAD	0383	03	NOTIFICATION OF CHEMICAL INJURY FORM MIXING BLEACH AND DRAIN CLEANER	N	BYNUM RUN	NO
17-169625	N	17-084	7/10/2017	701 PAMELA DRIVE	0406	04	NOTIFICATION OF SMALL FUEL SPILL	N	BYNUM RUN	NO
17-171103	N	17-085	7/11/2017	4437 PROSPECT ROAD	0603	06	REPORT OF DOWNED AIRCRAFT / UNFOUNDED COMPLAINT	N	BROAD CREEK	NO
17-171923		17-086	7/12/2017	1802 GREENBLADE COURT	0321	03	REQUEST TO PICK UP AND DISPOSE OF THERMOMETERS CONTAINING MERCURY	N	JAMES RUN	NO
17-172698	1	17-087	7/13/2017	MARYLAND ROUTE 165 AND MIDSUMMER LANE	0730	07	INVESTIGATE OIL SPILL AT LOCATION	N	DEER CREEK	NO NO
17-175645	N	17-088	7/16/2017	1300 REVOLUTION STREET	0505	05	NOTIFICATION OF A FIRE ALARM AT LOCATION	N N	LOWER SUSQUEHANNA SWAN CREEK	NO NO
17-176754 17-176757	C	17-089 17-090	7/17/2017 7/17/2017	542 BEARDS HILL ROAD 422 WOODCREST DRIVE	0214 0214	02 02	ODOR OF GASOLINE IN 3 HOUSES AND IN THE AREA RELATED TO THE CALL ON BEARDS HILL ROAD	N N	SWAN CREEK	NO NO
17-176757	N	17-090		MARYLAND ROUTE 24 AND TRIMBLE ROAD	0836	08	HYDRAULIC OIL SPILL FROM COUNTY EQUIPMENT / CLEANED UP BY DPW	N N	LITTLE GUNPOWDER	NO NO
17-179052	N	17-091		MARYLAND ROUTE 22 AND ALDINO ROAD	0121	01	ASSIST FIRE DEPARTMENT AT SCENE OF A MOTOR VEHICLE ACCIDENT WITH RESCUE	N	DEER CREEK	NO NO
17-180258	N	17-093		1807 NORTH FOUNTAIN GREEN ROAD	0313	03	2-5 GALLON SPILL OF ROAD PAINT AT THE SHOP	N	DEER CREEK	NO NO
17-180269	С	17-094		104 INDUSTRY LANE	0371	03	ASSIST HCSO WITH WHITE POWDER IDENTIFICATION	N	BYNUM RUN	NO
17-181067	С	17-095		2200 COMMERCE ROAD	0371	03	ASSIST HCSO WITH POWDER IDENTIFICATION	N	BYNUM RUN	NO
17-294328	1	17-152	11/30/2017	2220 ADY ROAD	0316	03	INVESTIGATE ODOR OF SMOKE IN THE BUILDING	N	DEER CREEK	NO
17-298962	С	17-153	12/6/2017	INTERSTATE 95 AT MILEMARKER 80.0 SOUTHBOUND	0495-80	04	PUMP OFF FUEL FROM TRACTOR TRAILER INVOLVED IN A 10-50	N	JAMES RUN	NO
17-299012	1	17-154	12/6/2017	INTERSTATE 95 AT MILEMARKER 80.0 SOUTHBOUND	0495-80	04	INVESTIGATION FOR 10-50 INVOLVING HAZMAT 1	N	JAMES RUN	NO
17-305923	1	17-155		1212 CHELSEA ROAD	0298	02	INVESTIGATE FUEL SPILL AT THE PLANT	N	APG	NO
17-306113	Ī	17-156		2420 WHITEFORD ROAD	0601	06	FUEL SPILL AT GAS PUMPS	N	BROAD CREEK	NO
18-001088	N	18-001		120 ROYAL OAK DRIVE	0333	03	ODOR OF OIL IN BUILDING, CANCELLED BY FIRE DEPARTMENT BEFORE ARRIVAL	N	BYNUM RUN	NO
18-002962	N	18-002		3914 WALTERS ROAD	0405	04	NOTIFICATION OF 5 GALLON OIL SPILL	N	WINTERS RUN	NO
18-003015	С	18-003	1/4/2018	INTERSTATE 95 AT TYDINGS BRIDGE SOUTHBOUND	0595S	05	OVERTURNED TRACTOR TRAILER ON BRIDGE, UNABLE TO ACCESS DUE TO HIGH WINDS, HANDLED BY TOW TRUCK	N	LOWER SUSQUEHANNA	NO
18-003356	С	18-004		648 MILFORD COURT	0403	04	ASSIST HCSO WITH WHITE POWDER CLEAN UP	N	WINTERS RUN	NO
18-004036	N	18-005		101 PROSPECT MILL ROAD	0324	03	ASSIST FIRE DEPARTMENT WITH GAS LEAK AT THE SCHOOL	N	DEER CREEK	NO
18-005428	С	18-006		306 AVEDON COURT	0818	80	ALERTED FOR HM5 REHAB, ASSISTED AND CLEARED	N	LITTLE GUNPOWDER	NO
18-005590	С	18-007		2016 ROCKWELL STREET	0836	08	ALERTED FOR HM5 REHAB, CANCELLED PRIOR TO ARRIVAL	N	WINTERS RUN	NO
18-501461	N	18-008		920 WEST RING FACTORY ROAD	0831	08	NOTIFICATION OF A SMALL FUEL SPILL	N	WINTERS RUN	NO
17-182240	N	17-096		411 KENMORE AVENUE	0303	03	NOTIFICATION OF SICK SUBJECT AND ODOR OF PESTICIDE / UNFOUNDED COMPLAINT	N	WINTERS RUN	NO
17-183052	N	17-097	7/24/2017	123 BALTIMORE STREET	0213	02	NOTIFICATION FROM MDE OF HOME HEATING OIL SPILL	N	CHURCH CREEK	NO
17-186248	I	17-098	7/28/2017	1802 GREENBLADE COURT	0321	03	PICK UP MERCURY THERMOMETERS FROM A RESIDENCE	N	JAMES RUN	NO
17-187282		17-099	7/29/2017	522 SOUTH PARKE STREET	0212	02	CO ACTIVATION, FOUND UNKNOWN CHEMICAL IN DRUMS, TURNED OUT TO BE RICE	N	CHURCH CREEK	NO
17-189006	1	17-100	7/31/2017	527 PULASKI HIGHWAY	0808	08	SUBSTANCE LEAKING FROM STORAGE UNIT, FOUND TO BE SHAMPOO	N	LITTLE GUNPOWDER	NO
17-189644	N I	17-101	8/1/2017	500 SOUTH STEPNEY ROAD 538 TRIMBLE ROAD	0208 0808	02	NOTIFICATION FROM SHA OF A 15 GALLON SPILL OF OIL OIL AND TRANSMISSION FLUID IN DITCH FROM 10-50 PI	N N	CHURCH CREEK LITTLE GUNPOWDER	YES YES
17-191131 17-192890		17-102 17-103	8/2/2017 8/4/2017	602 SOUTH ATWOOD	0808	08	ASSIST BAPD WITH DISPOSAL OF A BOX OF FENTANYL	N N	WINTERS RUN	NO VES
17-192890	N	17-103	8/5/2017	405 UNDERWOOD LANE	0304	03	NOTIFICATION OF HYDRAULIC OIL SPILL, HANDLED BY FIRE DEPARTMENT	N N	BYNUM RUN	NO NO
17-194023	IN I	17-104	8/7/2017	1419 MOUNTAIN ROAD S	0801	08	FUEL SPILL INTO STORM DRAIN FROM A PARKED VEHICLE	N	WINTERS RUN	YES
17-197865	<u> </u>	17-106		4354 NORRISVILLE ROAD	0794	07	INVESTIGATE CYLINDER WITH UNKNOWN CONTENTS FOUND IN PROPANE YARD	N	LITTLE GUNPOWDER	NO NO
18-502124	Ċ	18-009		300 STEVENS CIRCLE	0216	02	FUEL SPILL FROM UNKNOWN SUBSTANCE, INTO STREAM	N	CHURCH CREEK	YES
18-010311	i	18-010	1/16/2018	3109 CHURCHVILLE ROAD	0121	01	ASSIST FIRE DEPARTMENT WITH FIRE ALARM	N	DEER CREEK	NO
18-012290	i	18-011		2128 PUTNAM ROAD	1310	13	INVESTIGATE POSSIBLE EXPLOSIVES FOUND IN A RESIDENCE	N	WINTERS RUN	NO
18-015127	1	18-012		MARYLAND ROUTE 543 AND WHEEL ROAD	0325	03	NOTIFICATION OF A SMALL FUEL SPILL AT SCENE OF A 10-50	N	BYNUM RUN	NO
18-015568	N	18-013		2220 ADY ROAD	0316	03	HYDRAULIC OIL SPILL IN ELEVATOR PIT. 2 GALLONS	N	DEER CREEK	NO
18-015578	1	18-014	1/22/2018	2250 ADY ROAD	0316	03	ASSIST FIRE DEPARTMENT WITH A 10-50 UP THE STREET FROM DES	N	DEER CREEK	NO
18-015644	С	18-015	1/22/2018	534 DAVID DRIVE	0333	03	ASSIST FIRE DEPARTMENT WITH ODOR AND LIQUID IN THE SUMP PUMP	N	BYNUM RUN	NO
18-018595	N	18-016	1/25/2018	INTERSTATE 95 AT MILEMARKER 83.0 NORTHBOUND	0295N	02	NOTIFICATION OF A 5 GALLON DIESEL FUEL SPILL	N	CHURCH CREEK	YES
18-019360	N	18-017		800 HICKORY DRIVE	0215	02	NOTIFICATION OF A FUEL SPILL AT THE PLANT	N	CHURCH CREEK	NO
18-021539	N	18-018		800 HICKORY DRIVE	0215	02	NOTIFICATION OF A FUEL SPILL AT THE PLANT	N	CHURCH CREEK	NO
18-024815		18-019		601 CORNELL STREET	0212	02	ASSIST ABERDEEN POLICE DEPARTMENT WITH WHITE POWDER	N	CHURCH CREEK	NO
18-028674		18-020		2000 ROCK GLENN BOULEVARD	0202	02	ASSIST FIRE DEPARTMENT WITH PATIENT WHO WAS OVERCOME WITH BLEACH ODOR	N	SWAN CREEK	NO NO
18-031335	- I	18-021		2614 THORNY DRIVE	0122	01	ASSIST FIRE DEPARTMENT WITH FIRE ALARM	N	DEER CREEK	NO NO
18-033488	N	18-022		104 INDUSTRY LANE	0371	03	THREAT OF SUICIDE BY CYANIDE, UNFOUNDED COMPLAINT	N	BYNUM RUN	NO NO
18-034088	N	18-023		MARYLAND ROUTE 22 AND ROGERS STREET	0213	02	NOTIFICATION OF HYDRAULIC OIL SPILL, CLEANED UP BY COMPANY	N N	SWAN CREEK	NO
18-035872 18-138139	N C	18-024 18-025		SUSQUEHANNA RIVER 560 BRIDGE VALLEY ROAD	0501	05	DIESEL FUEL SPILL INTO RIVER, APPROXIMATELY 1 GALLON ASSIST LANCASTER COUNTY WITH A SUBJECT TRAPPED IN A CAVE	N N	LOWER SUSQUEHANNA LANCASTER COUNTY	YES NO
18-138139 18-039132	N N	18-025 18-026		1862 GREMPLER WAY	0826	08	ASSIST FIRE DEPARTMENT WITH TWO UNCONSCIOUS SUBJECTS IN A RESIDENCE	N N	WINTERS RUN	NO NO
18-039132	N N	18-026		31 WEST BEL AIR AVENUE	0826	02	UNUSUAL ODOR IN THE AIR, HANDLED BY FIRE DEPARTMENT	N N	SWAN CREEK	NO NO
18-040070	N N	18-027		1212 CHELSEA ROAD	0212	02	NOTIFICATION OF HYDRAULIC OIL SPILL, CLEANED UP BY FACILITY	N N	APG	NO NO
18-041077	N	18-028		1212 CHELSEA ROAD	0298	02	NOTIFICATION OF HTDRAODIC OIL SPILL, CLEANED UP BY COMPANY	N	APG	NO NO
18-043722	N	18-030		1001 BEARDS HILL ROAD	0216	02	LARGE HYDRAULIC OIL SPILL IN THE PARKING LOT	N	CHURCH CREEK	NO NO
18-047024	C	18-031		1260 SUSQUEHANNA RIVER	0570S	05	DEPLOY HARBOUR BOOM IN MARINA FOR A LARGE FUEL SPILL	N	LOWER SUSQUEHANNA	YES
18-047146	N	18-032		703 CHURCHVILLE ROAD	0302	03	ASSIST HCSO WITH AIR MONITORING AT AN EVENT	N	BYNUM RUN	NO NO
18-048649	N	18-033		2301 CARRS MILL ROAD	1390	13	ASSIST WITH SET UP OF EMERGENCY SHELTER	N	WINTERS RUN	NO NO
18-048623	С	18-034		MARYLAND ROUTE 155 AT HOPEWELL ROAD	0157	01	ALERT FOR DIESEL FUEL SPILL AND PUMP OFF, CANCELLED PRIOR TO ARRIVAL	N	SWAN CREEK	NO
18-048789	С	18-035		MARYLAND ROUTE 155 AT MARYLAND ROUTE 161	0150	01	ASSIST MOTORIST STRANDED IN VEHICLES DUE TO WIND STORM	N	SWAN CREEK	NO
8-049194	N	18-036		1300 REVOLUTION STREET	0505	05	AUTOMATIC ALARM, NO NEED FOR HAZMAT	N	LOWER SUSQUEHANNA	NO
18-049205	N	18-037		2301 CARRS MILL ROAD	1390	13	RETURN SHELTER EQUIPMENT TO DES	N	WINTERS RUN	NO
18-052090	N	18-038	3/6/2018	3538 ALDINO ROAD	0156	01	SMALL FUEL SPILL AT SCENE OF AN AIRPLANE CRASH	N	SWAN CREEK	NO
18-052305	-	18-039	3/7/2018	300 FRANKLIN STREET	0520	05	SMALL FUEL SPILL IN THE RIVER	N	LOWER SUSQUEHANNA	YES

FIRE INCIDENT #	RESPONSE CODE	HAZMAT INCIDENT	DATE	LOCATION	BOX NUMBER	FIRE COMPANY	DESCRIPTION	NOV	WATERSHED	ENTERED WATERWAY
18-052455	С	18-040	3/7/2018	2942 CHARLES STREET	1312	13	LARGE FUEL SPILL FROM THE PIPELINE	N	WINTERS RUN	YES
18-053223	N	18-041	3/8/2018	1824 MOUNTAIN ROAD	0831	08	ASSIST HCSO WITH AIR MONITORING AT A DETAIL	N	LITTLE GUNPOWDER	NO
18-054250	1	18-042	3/9/2018	3633 LEVEL VILLAGE ROAD	0102	01	GAS LEAK IN THE AREA OF THE FIREHOUSE	N	SWAN CREEK	NO
18-054546	-	18-043	3/9/2018	1734 CASTLETON ROAD	0923	09	ASSIST FIRE DEPARTMENT WITH AN OUTDOOR FIRE	N	BROAD CREEK	NO
18-054115	N	18-044	3/13/2018	BEL AIR BYPASS AT ROCK SPRING ROAD	0312	03	NOTIFICATION OF FUEL SPILL	N	BYNUM RUN	NO
18-059171	N	18-045	3/15/2018	3340 ABINGDON ROAD	0400	04	HYDROFLUROSILICIC ACID SPILL IN CONTAINMENT AREA	N	BYNUM RUN	NO
18-059281	С	18-046	3/15/2018	MARYLAND ROUTE 7 AT BRASS MILL ROAD	0417	04	FUEL SPILL AND PUMP OFF FROM TRACTOR TRAILER	N	CHURCH CREEK	NO
18-059639	С	18-047	3/15/2018	2125 SHERWOOD LANE	0202	02	FUEL SPILL FROM OVERTURNED TRAC-HOE	N	SWAN CREEK	NO
18-062601	С	18-048	3/19/2018	U.S. ROUTE 40 AT MARYLAND ROUTE 715	0215	02	FUEL SPILL FROM SADDLE TANK OF TRACTOR TRAILER INVOLVED IN 10-50	N	CHURCH CREEK	NO
18-062571	С	18-049	3/19/2018	20 WEST COURTLAND STREET	0300	03	STAND BY FOR CHEMICAL BOMB THREAT, UNFOUNDED COMPLAINT	N	BYNUM RUN	NO
18-064758	С	18-050	3/22/2018	1855 PULASKI HIGHWAY	0826	08	FUEL SPILL FROM GAS PUMPS	N	WINTERS RUN	NO
18-065679	'	18-051	3/23/2018	405 WOODEDGE GARTH	0216	02	DISPOSAL OF FERRIC CHLORIDE FROM A HOME	N	CHURCH CREEK	NO
18-066443	N	18-052	3/24/2018	3036 CHURCHVILLE ROAD	0120	01	NOTIFICATION OF A DIESEL FUEL SPILL FROM A RENTAL TRUCK, APPROXIMATELY 2-3 GALLONS	N	DEER CREEK	NO
18-068119	N	18-053	3/26/2018	3340 ABINGDON ROAD	0400	04	NOTIFICATION OF 10 GALLON SPILL OF HYDROFLUROSILICIC ACID, CLEANED UP BY COMPANY	N	BYNUM RUN	NO
18-069109	N	18-054	3/27/2018	200 THOMAS RUN ROAD	0324	03	NOTIFICATION OF 2 GALLON SPILL OF USED MOTOR OIL	N	DEER CREEK	NO
18-504298	N	18-055	3/28/2018	1319 PERRYMAN ROAD	0215	02	NOTIFICATION OF 30 GALLON SPILL OF BLEACH, CLEANED UP BY COMPANY	N	CHURCH CREEK	NO
18-071341 17-201489	N	18-056 17-107	3/31/2018 8/13/2017	1300 REVOLUTION STREET U.S. ROUTE 1 AND MARYLAND ROUTE 152	0505 0801	05 08	AUTOMATIC ALARM ACTIVATION AT PLANT FUEL SPILL FROM 10-50 PI. FIRE DEPARTMENT HANDLED	N	LOWER SUSQUEHANNA LITTLE GUNPOWDER	NO NO
17-201489		17-107	8/13/2017			08	INVESTIGATE UNKNOWN CHEMICALS IN CONTAINER FOUND ON A PROPERTY	N	SWAN CREEK	NO NO
17-202152	N	17-108	8/14/2017	112 HAWKINS DRIVE 109 INDUSTRY LANE	0211 0371	03	ASSIST FIRE DEPARTMENT AT SCENE OF A BUILDING FIRE	N N	BYNUM RUN	NO NO
17-202978	N	17-109		MARYLAND ROUTE 24 AND INTERSTATE 95	0408	04	ALERTED FOR A FUEL SPILL, CANCELLED BY FIRE DEPARTMENT	N	WINTERS RUN	NO NO
18-076008	C	18-057		MARYLAND ROUTE 543 AT INTERSTATE 95 UNDERPASS	0408	04	OIL SPILL FROM OVERTURNED CEMENT TRUCK INVOLVED IN A 10-50	N	JAMES RUN	NO
18-077845	i	18-058	4/7/2018	2505 COOL SPRING ROAD	0326	03	ASSIST FIRE DEPARTMENT WITH REPORTED OUTSIDE FIRE	N	DEER CREEK	NO
18-081042	N	18-059		1807 NORTH FOUNTAIN GREEN ROAD	0313	03	OIL LEAK FROM A 55 GALLON DRUM	N	DEER CREEK	NO
18-082227	C	18-060			0831	08	OVERTURNED TANK ON PROPERTY, NO LEAK, EMPTY TANK	N	WINTERS RUN	NO
18-084008	N	18-061		1400 SOUTH PHILADELPHIA ROAD	0215	02	SEWAGE SPILL FROM A FALLOUT	N	CHURCH CREEK	NO
18-084682	С	18-062	4/15/2018	CAMPUS HILLS DRIVE AT HILLSWAY TERRACE	0323	03	FUEL SPILL AT THE SCENE OF A VEHICLE FIRE	N	DEER CREEK	NO
18-085251	N	18-063	4/16/2018	1212 CHELSEA ROAD	0298	02	NOTIFICATION OF CHLORINE LEAK AT THE PLANT	N	APG	NO
18-093974	-	18-064	4/27/2018	1 PATTERSON MILL ROAD	0333	03	DISPOSE OF MERCURY CONTAINING THERMOMETER DROPPED OFF BY CITIZEN	N	BYNUM RUN	NO
18-096438	- 1	18-065	4/30/2018	1550 SOUTH PHILADELPHIA BOULEVARD	0206	02	INVESTIGATE RAD METER ACTIVATION WHILE DRIVING, NOTHING FOUND	N	CHURCH CREEK	NO
18-097316	С	18-066	5/1/2018	CARRS MILL ROAD AT BELLE MEADE ROAD	1304	13	BUCKET OF OIL IN THE ROAD	N	WINTERS RUN	NO
18-098277	С	18-067	5/5/2018	2021 FALLSGROVE WAY	1308	13	ASSIST TRT AT THE SCENE OF A TRENCH RESCUE	N	WINTERS RUN	NO
18-098362	С	18-068	5/5/2018	MARYLAND ROUTE 23 AT UREY ROAD	1011	10	LEAKING FERTILIZER FROM OVERTURNED TRUCK	N	DEER CREEK	YES
18-099354	1	18-069	5/3/2018	3111 PHILADELPHIA ROAD	0407	04	LEAK OF HYDRAULIC OIL FROM A BROKEN LINE	N	WINTERS RUN	NO
18-100190	1	18-070	5/4/2018	531 CHELSEA ROAD	0210	01	INVESTIGATE SPILL REPORTED TO BE IMPROPERLY CLEANED / NO HAZARD FOUND	N	APG	NO
18-100667	N	18-071	5/4/2018	708 COUNTRY VILLAGE DRIVE	0303	03	ASSIST FIRE DEPARTMENT AT LOCATION / NO HAZARD	N	WINTERS RUN	NO
18-101236	С	18-072	5/5/2018	221 NORTH TOLLGATE ROAD	0342	03	MOTOR OIL IN ROADWAY CAUSING A HAZARD	N	WINTERS RUN	YES
18-102464	N	18-073	5/7/2018	1212 CHELSEA ROAD	0298	02	NOTIFICATION OF 2 GALLON SPILL OF DIESEL FUEL	N	BUSH RIVER	NO
18-105477	- !	18-074	5/10/2018	3023 LEVEL ROAD	0157	01	ASSIST FIRE DEPARTMENT AT SCENE OF A MEDICAL CALL	N	DEER CREEK	NO
18-107502	(18-075	5/13/2018	MARYLAND ROUTE 161 AT LEVEL VILLAGE ROAD	0103	01	INVESTIGATE LEAKING CONTAINERS ON SIDE OF ROADWAY	N	SWAN CREEK	NO
18-109428 18-111626	C	18-076 18-077	5/15/2018 5/18/2018	INTERSTATE 95 AT MILEMARKER 92.5 MARYLAND ROUTE 161 AT PRICE ROAD	0183	01	ASSIST CECIL COUNTY WITH LEAKING SADDLE TANK / CANCELLED PRIOR TO ARRIVAL INVESTIGATE CONTAINERS DUMPED ON SIDE OF THE ROAD, NOT LEAKING	N N	CECIL COUNTY DEER CREEK	NO NO
18-111626	N N	18-077	5/18/2018	2611 GREENSPRING AVENUE	0183	08	SMALL FUEL SPILL / NOTIFICATION ONLY	N	LITTLE GUNPOWDER	NO NO
18-113942 18-113978	IN .	18-078		604 WEST RING FACTORY ROAD	0332	08	INVESTIGATE GASOLINE LEAK FROM AN AUTO FIRE	N	WINTERS RUN	NO NO
18-117388	В	18-079		2204 TALLCEDAR COURT	0411	04	REACTION FROM POOL CHEMICALS INSIDE A HOUSE	N	BYNUM RUN	NO NO
18-119464	N	18-081		1304 PULASKI HIGHWAY	0816	08	NOTIFICATION OF COMBUSTABLE LIQUID SPILL	N	WINTERS RUN	NO
18-119543	N	18-082		132 N LYNBROOK ROAD	0331	03	CHECK A LOCATION FOR POSSIBLE HAZMATS, NONE FOUND	N	BYNUM RUN	NO
17-205880	N	17-111		3702 GREEN SPRING ROAD	0161	01	HOME HEATING OIL SPILL IN BASEMENT OF HOUSE	N	DEER CREEK	NO
17-206018	i i	17-112		2016 ROCK SPRING ROAD	0381	03	ASSIST FIRE DEPARTMENT AT SCENE OF AFA	N	WINTERS RUN	NO
17-206062	В	17-113		4153 U-WAY	0154	01	STRONG CHLORINE ODOR IN A RESIDENCE	N	SWAN CREEK	NO
17-206221	С	17-114	8/18/2017	220 MOUNTAIN ROAD	1361	13	LEAKING PROPANE TANK	N	LITTLE GUNPOWDER	NO
17-209716	l I	17-115	8/22/2017	BURKINS ROAD AT CHERRY HILL ROAD	0613	06	INVESTIGATE POSSIBLE FISH KILL / APPEARS THE FISH WERE DUMPED THERE / NO HAZARDS	N	DEER CREEK	NO
17-210661	I	17-116	8/23/2017	10 PINE STREET	0201	02	INVESTIGATE POSSIBLE HOME HEATING OIL TANK LEAK / NO LEAK FOUND	N	SWAN CREEK	NO
17-211126		17-117	8/24/2017	2201 COMMERCE ROAD	0371	03	ASSIST HCSO WITH ANALYSIS OF AN UNKNOWN SUBSTANCE	N	BYNUM RUN	NO
17-211465		17-118	8/24/2017	PROSPECT MILL ROAD AT GREENWOOD DRIVE	0324	03	INVESTIGATE CLAIMS OF CONSTRUCTION COMPANY WASHING TRUCKS OFF IN STORM DRAINS	N	DEER CREEK	NO
17-212200	С	17-119	8/25/2017	1706 HARBINGER TRAIL	0826	008	ASSIST ANIMAL CONTROL WITH AIR MONITORING AT CAT HOUSE	N	WINTERS RUN	NO
17-214333	С	17-120		1706 HARBINGER TRAIL	0826	08	ASSIST ANIMAL CONTROL WITH REMOVAL OF CATS, PROVIDE AIR MONITORING	N	WINTERS RUN	NO
17-215296	N	17-121			0541	05	INVESTIGATE SMALL AMOUNT OF WHITE SUBSTANCE FOUND ALONG TRACKS	N	LOWER SUSQUEHANNA	NO
17-216671	N	17-122		1300 BUSINESS CENTER WAY	0816	08	INVESTIGATE REPORT OF ILLEGAL DUMPING ON SITE / UNFOUNDED COMPLAINT	N	WINTERS RUN	NO
17-217455	N	17-123		1311 ONTARIO STREET	0556	05	INVESTIGATE LEAK FROM HOME HEATING OIL TANK	N	LOWER SUSQUEHANNA	NO
17-220012	N	17-124	9/3/2017	4625 FAWN GROVE ROAD	1005	10	BLACK SUBSTANCE RUNNING DOWN THE ROADWAY / MELTED ASPHALT FROM CAR FIRE	N	DEER CREEK	NO
17-226695	N	17-125	9/11/2017	3135 SNAKE LANE	0121	01	FUEL SPILL, HANDLED BY FIRE DEPARTMENT	N	JAMES RUN	NO
17-232982	С	17-126	9/18/2017	SOUTH TOLLGATE ROAD AT W MACPHAIL ROAD	0341	03	WORKER FROM APG WITH POSSIBLE CONTAMINATED EQUIPMENT IN CAR	N	WINTERS RUN	NO
17-240696	- 1	17-127	9/27/2017	1212 CHELSEA ROAD	0298	02	LARGE WATER/METHANOL SPILL, CLEANED UP BY PLANT	N	APG	NO
17-241588		17-128	9/28/2017	1708 PLEASANTVILLE ROAD	1326	13	CHILD LOCKED IN AN AUTO, CANCELLED BEFORE ARRIVAL	N	WINTERS RUN	NO
17-242506		17-129	9/29/2017	3804 FEDERAL HILL ROAD	0700	07	INVESTIGATE DRUMS DUMPED AT OIL COLLECTION POINT	N	WINTERS RUN	NO
17-243948	N	17-130	10/1/2017	LAUREL BUSH ROAD AT DOWERS LANE	0409	04	OIL SPILL ON ROADWAY, HANDLED BY FIRE COMPANY	N	BYNUM RUN	NO
17-247825	N	17-131		1613 RUSHING STREAM COURT	0705	07	GAS LEAK AT A RESIDENCE, HANDLED BY FIRE DEPARTMENT	N	WINTERS RUN	NO NO
17-253335	N	17-132		1013 BEARDS HILL ROAD	0216	02	BOTTLE OF MACE RELEASED IN STORE, NOTIFICATION ONLY	N	CHURCH CREEK	NO
17-261136	N	17-134	10/21/2017	907 REVOLUTION STREET	0510	05	NOTIFICATION OF WHITE SILICA INTO WATERWAY	N	LOWER SUSQUEHANNA	YES

FIRE INCIDENT #	RESPONSE CODE	HAZMAT INCIDENT	DATE	LOCATION	BOX NUMBER	FIRE COMPANY	DESCRIPTION	NOV	WATERSHED	ENTERED WATERWAY
17-263118	С	17-135	10/24/2017	4609 RICHLYNN DRIVE	0420	04	BUILDING FIRE INVOLVING MULTIPLE CHEMICALS	N	CHURCH CREEK	NO
17-263234	N	17-136	10/24/2017	4609 RICHLYNN DRIVE	0420	04	RE-ALERT FOR THE SAME FIRE, EXTENSION INTO WALLS, STAND BY FOR HAZMAT	N	CHURCH CREEK	NO
17-254337	N	17-133	10/13/2017	800 HICKORY DRIVE	0215	02	50 GALLON CORN OIL SPILL, NOTIFICATION ONLY	N	CHURCH CREEK	NO
17-263758	С	17-137	10/24/2017	U.S. ROUTE 40 AT B&O ROAD	0406	04	PUMP OFF FROM A 10-50 INVOLVING A TRACTOR TRAILER	N	BYNUM RUN	NO
17-264215	1	17-138	10/25/2017	3926 BUSH COURT	0401	04	INVESTIGATE VEHICLE LEAKING OIL IN A PARKING LOT	N	BYNUM RUN	NO
17-269197	N	17-139	10/31/2017	2569 SHURES LANDING ROAD	0912	09	NOTIFICATION OF 1/2 GALLON OF HYDRAULIC FLUID	N	DEER CREEK	NO
17-270578	_	17-140	11/1/2017	127 PHILLIPE LANE			ASSIST CECIL COUNTY WITH ANIMAL RESCUE, CANCELLED BY CC	N	CECIL COUNTY	NO
17-274301	N	17-141	11/6/2017	213 LODGECLIFFE COURT	0403	04	**REPORT NOT YET COMPLETED**	N	WINTERS RUN	NO
17-275713	С	17-142	11/7/2017	126 WEST AZTEC STREET	0211	02	GASOLINE SPILL FROM TRUCK PARKED ON ROADWAY	N	SWAN CREEK	NO
17-276016	С	17-143	11/8/2017	INTERSTATE 95 AT MILEMARKER 89.3 SOUTHBOUND	0595S	05	PUMP OFF INVOLVING TRACTOR TRAILER INVOLVED IN A 10-50	N	LOWER SUSQUEHANNA	NO
17-277517	- 1	17-144	11/9/2017	201 SOUTH JUNIATA STREET	0510	05	REPORT OF TRACTOR TRAILER LEAKING INTO STORM DRAIN, SPILL CLEANED UP PRIOR TO ARRIVAL	N	LOWER SUSQUEHANNA	NO
17-282177	С	17-145	11/15/2017	104 INDUSTRY LANE	0371	03	ASSIST HCSO WITH AN ANALYSIS	N	BYNUM RUN	NO
17-282559	N	17-146	11/16/2017	U.S. ROUTE 1 AT JOHNSON MILL ROAD	0313	03	NOTIFICATION OF VEHICLE INTO STREAM, SMALL FLUID LEAK INTO WATERWAY	N	BYNUM RUN	YES
17-284058	С	17-147	11/17/2017	826 MAXA ROAD	0209	02	FUEL OIL SPILL IN BASEMENT FROM LEAKING TANK	N	SWAN CREEK	NO
17-292451	С	17-148	11/28/2017	U.S. ROUTE 1 AT ALLIBONE ROAD	0317	03	WASTE OIL LEAKING FROM AN OVERTURNED TRUCK, PUMPED OFF INTO ANOTHER TRUCK	N	DEER CREEK	NO
17-292605	С	17-149	11/28/2017	504 ADVANTAGE AVENUE	0215	02	AMMONIA LEAK IN THE AMMONIA ROOM	N	CHURCH CREEK	NO
17-293381	1	17-150	11/29/2017	4001 ROCK RUN ROAD	0103	01	ASSIST EMS WITH A FALL PATIENT	N	LOWER SUSQUEHANNA	NO
17-293445	С	17-151	11/29/2017	710 HERITAGE LANE	0301	03	CHEMICAL ODOR IN AN APARTMENT, UNFOUNDED COMPLAINT	N	BYNUM RUN	NO
18-122048	N	18-083	6/1/2018	3340 ABINGDON ROAD	0400	04	SMALL OIL SPILL / NOTIFICATION ONLY	N	BYNUM RUN	NO
18-123007	С	18-084	6/2/2018	INTERSTATE 95 AT MILEMARKER 75.1 NORTHBOUND	0895N	08	PUMP OFF OF OVERTURNED TRACTOR TRAILER	N	WINTERS RUN	NO
18-123017	С	18-085	6/2/2018	4001 E BAKER AVENUE	0406	04	SMALL FUEL SPILL FROM SUNKEN BOAT	N	BYNUM RUN	YES
18-128263	I	18-086	6/8/2018	INTERSTATE 95 AT MILEMARKER 73.2 SOUTHBOUND	08955	08	ASSIST FIRE DEPARTMENT AT SCENE OF MOTOR VEHICLE ACCIDENT	N	LITTLE GUNPOWDER	NO
18-130784	С	18-087	6/12/2018	INTERSTATE 95 AT MILEMARKER 72.7 SOUTHBOUND	0895S	08	PUMP OFF OVERTURNED TRACTOR TRAILER LEAKING DIESEL FUEL	N	LITTLE GUNPOWDER	NO
18-132449	N	18-088	6/14/2018	1900 PARK BEACH DRIVE	0206	02	SMALL AMOUNT OF UNRECOVERABLE PRODUCT IN STREAM, CANCELLED BY FIRE DEPARTMENT	N	CHURCH CREEK	YES
18-134814	N	18-089	6/16/2018	MARYLAND ROUTE 24 AT TRIMBLE ROAD	0836	08	OIL AND ANTIFREEZE LEAKING FROM TRACTOR TRAILER	N	LITTLE GUNPOWDER	NO
18-136641	С	18-090	6/18/2018	MARYLAND ROUTE 22 AT INTERSTATE 95 OVERPASS	0216	02	PUMP OFF OF TRACTOR TRAILER INVOLVED IN A 10-50	N	CHURCH CREEK	NO
18-137323	N	18-091	6/19/2018	JAMES RUN ROAD AT CABIN ROAD	0415	04	PUMP OFF OF DUMP TRUCK INVOLVED IN A 10-50	N	JAMES RUN	NO
18-138015	- 1	18-092	6/20/2018	3508 PHILADELPHIA ROAD	0407	04	INVESTIGATE FUEL SPILL NOT CLEANED UP	N	BYNUM RUN	YES
18-139730	N	18-093	6/22/2018	2440 GRAND OAKS COURT	0409	04	PESTICIDE SPILL IN A GARAGE	N	BYNUM RUN	NO
18-141572	N	18-094	6/25/2018	3530 CONOWINGO ROAD	0922	09	INVESTIGATE ODOR MAKING EMPLOYEES IN STORE SICK	N	DEER CREEK	NO
18-143127	С	18-095	6/26/2018	104 INDUSTRY LANE	0371	03	DIESEL FUEL SPILL FROM THE COUNTY MEDIC	N	BYNUM RUN	NO
18-143746	N	18-096	6/27/2018	ABINGDON ROAD AT SEWELL ROAD	0401	04	ASSIST FIRE DEPARTMENT WITH BROKEN GAS LINE	N	WINTERS RUN	NO
18-144915	N	18-097	6/28/2018	MARYLAND ROUTE 161 AT GLENVILLE ROAD	0931	09	HYDRAULIC OIL SPILL AT INTERSECTION / CLEANED UP BY SHA	N	DEER CREEK	NO
18-145686	N	18-098	6/29/2018	132 N LYNBROOK ROAD	0331	03	REPORT OF LEAKING HAZMATS AT A RESIDENCE, UNFOUNDED COMPLAINT	N	BYNUM RUN	NO
18-147032	N	18-099	6/30/2018	INTERSTATE 95 AT MILEMARKER78.5 SOUTHBOUND	0480S	04	SMALL LEAK FROM A TRACTOR TRAILER FUEL LINE, HANDLED BY FIRE DEPARTMENT	N	BYNUM RUN	NO

BILLY BONIFACE DIRECTOR OF ADMINISTRATION



EDWARD HOPKINS DIRECTOR OF EMERGENCY SERVICES

LOCAL EMERGENCY PLANNING COMMITTEE Meeting Agenda July 19th, 2017

1. Call to Order **Chair Richard Schwanke** 2. **Introductions** 3. **Hearings: Bartenfelder Sanitation** Chair - Richard Schwanke 4. **Approval of May Minutes Guest Speakers Emergency Planner - Steve Welzant** 5. 5. **Report of Incidents** Asst. Hazmat Chief - Clarence Ross 6. **SARA Title III Report** SARA Title III Planner – Forney Buchanan 7. **MDE Report** MDE CRTK – Pat Williams 8. **Hazmat Report** Asst. Hazmat Chief - Clarence Ross 9. **Grant Update** SARA Title III Planner – Forney Buchanan Emergency Management – Rick Ayers 10. **Emergency Management** 11. **OLD BUSINESS** Information regarding spills at fuel stations 12. **NEW BUSINESS** Appendix 4 review

13. Items from Members

Next Meeting: September 20, 2017 Future Meetings: November 15, 2017 January 17, 2018

July '18 Workshop idea

BILLY BONIFACE DIRECTOR OF ADMINISTRATION



EDWARD HOPKINS DIRECTOR OF EMERGENCY SERVICES

HARFORD COUNTY GOVERNMENT

LOCAL EMERGENCY PLANNING COMMITTEE (LEPC)

Monthly Meeting - July 19th, 2017

3:00 p.m. - Harford County Emergency Operations Center

Meeting called to order at 1501

Hearing – Bartenfelder Sanitation

- Representatives for Bartenfelder Sanitation were not present. Clarence Ross reported on
 the incident to the group. A hydraulic oil spill was reported by citizens/neighborhood in
 Abingdon on May 10th at 11:36. A trash truck leaked hydraulic oil, when confronted by the
 community about cleaning up the spill, the driver used piles of leaves that were sitting in the
 area. He then left the scene. Citizens contacted Harford County Emergency Services.
 Bartenfelder Sanitation was fined \$1,000 for failure to report and to clean-up a hazardous
 materials spill. The driver is no longer employed by Bartenfelder Sanitation. The fine has
 been paid, however there is an outstanding balance related to clean-up costs.
- The Chairman asked that Bartenfelder Sanitation be contacted regarding failure to appear at the LEPC.

May Meeting Minutes Approved

Guest Speaker - Steve Welzant

Mr. Welzant provided the LEPC with an update on the status of the Harford County Hazard Mitigation Plan. Prior to submission of the plan, FEMA did a preliminary review and made suggestions that were incorporated into the final plan. The Plan has been sent to MEMA on 6/23. After MEMA has approved the plan and sent it to FEMA on 7/10 for final approval.

Report of Incidents – Clarence Ross

Treva Abbott provided details about the ammonia release at Gordon Food Service on May
 17. Old piping on the roof failed, 160 pounds of ammonia was released. The leak was fixed

- immediately and piping will be replaced in the next few months. There was also an interior leak from one of their evaporators.
- Much discussion about issues with fentanyl, carfentanil and other opioids as a result of an
 exposure of two EMTs and a deputy during a response. Very difficult to detect and identify
 these substances.

SARA Title III Report - Pat Williams

Nothing to report

MDE Report - Pat Williams

- MDE has an intern, Adam Rice, who has been verifying the geographic coordinates that are reported by companies on their Tier Two Reports. Emails went out to the facilities that need corrections. They are being surprisingly responsive.
- The Maryland Online Tier Two Reporting System (MOTTRS) has been updated to accommodate the reporting of the Physical and Health categories that is required with the 2017 reports. In the near future reporting facilities will be contacted by MDE to start making the necessary edits.
- EPA advised that if a company has more than one SDS for the same product made by different manufacturers, the SDSs are not always the same. In these cases, the facility should select all Physical and Health Hazards that are listed on all SDSs in their possession.
- Due to a change in interpretation of definitions all State, County, and Municipal government owned facilities must submit Tier Two Reports. Near the end of August Pat Williams will be reaching out to the LEPCs to solicit their assistance in reaching the government owned facilities in their jurisdiction for reporting. MDE can provide a list of the facilities that submitted Chemical Information Lists prior to October of 2014. Those facilities are the ones that are most likely to be subject to EPCRA reporting requirements. If the county is interested, MDE will provide training assistance for the county agencies. The first such session is scheduled for August 2 in Cecil County.

CRTK Grant – Clarence Ross

No change from last meeting

Emergency Management - Steve Welzant

- Preparations being made for participation in the 2017 Farm Fair (July24 29).
- The next citizen preparedness class is scheduled to begin on September 13 in Fallston. The class runs for 4 weeks, with one 2-hour session each week. The next class will be in Abingdon and will begin in mid to late October.

There will be a C-POD drill at the Aberdeen Walmart

Old Business

• Clarence Ross has spent a lot of time researching the issue of responsibility for fuel releases at retail gas stations. Bottom line – it is the responsibility of the station owner. A full report will be provided at the next meeting.

New Business

- The Chairman, Chuck Marzen, and the representative from Father Martins Ashley will be doing the Appendix 4 review.
- The LEPC will be planning for a Workshop for next July, possibly at Level. The purpose will be to discuss EPCRA beginnings and where we are now along with other regulatory issues that would be of interest to industry

items from Members

Joe brought up the issues a house on Madonna Road that had a fire last year and this year.
 Apparently, the place has been used as a dump for some time. There are illegal structures and septic violations. The AG's office is working on this for enforcement. A meeting is being scheduled at Harford Emergency Services to discuss

Meeting adjourned at 1600 hours.

BILLY BONIFACE DIRECTOR OF ADMINISTRATION



EDWARD HOPKINS DIRECTOR OF EMERGENCY SERVICES

LOCAL EMERGENCY PLANNING COMMITTEE Meeting Agenda

Meeting Agenda September 20th, 2017

1. Call to Order **Chair Richard Schwanke** 2. Introductions 3. **Hearings: None** 4. **Approval of July Minutes Chair - Richard Schwanke** 5. **Guest Speakers** None 5. **Report of Incidents Asst. Hazmat Chief - Clarence Ross** 6. **SARA Title III Report SARA Title III Planner – Forney Buchanan** 7. **MDE Report** MDE CRTK – Pat Williams 8. **Hazmat Report Asst. Hazmat Chief - Clarence Ross** 9. **Grant Update SARA Title III Planner – Forney Buchanan** 10. **Emergency Management Emergency Management - Rick Ayers** 11. **OLD BUSINESS** Appendix 4 review July '18 Workshop idea

13. Items from Members

None

NEW BUSINESS

12.

Next Meeting: November 15th, 2017 Future Meetings: January 17th, 2018 March 21st, 2018

BILLY BONIFACE DIRECTOR OF ADMINISTRATION

Next Meeting: July 18th, 2018

Future Meetings: September 19th, 2018

November 21st, 2018



EDWARD HOPKINS DIRECTOR OF EMERGENCY SERVICES

LOCAL EMERGENCY PLANNING COMMITTEE Meeting Agenda May 16th, 2017- 2018

Call to Order **Chair Richard Schwanke** 1. 2. Introductions 3. **Hearings: None** Chair - Richard Schwanke 4. **Approval of Januarys Minutes** 5. **Guest Speakers** None **Asst. Hazmat Chief - Clarence Ross** 5. Report of Incidents 6. **SARA Title III Report SARA Title III Planner – Forney Buchanan** 7. MDE CRTK - Pat Williams **MDE Report Asst. Hazmat Chief – Clarence Ross** 8. **Hazmat Report** 9. **Grant Update SARA Title III Planner – Forney Buchanan** 10. **Emergency Management Emergency Management – Linda Ploener** 11. **OLD BUSINESS** None 12. **NEW BUSINESS** None 13. Items from Members

BILLY BONIFACE DIRECTOR OF ADMINISTRATION

Next Meeting: March 21st, 2018 Future Meetings: May 16th, 2018

July 18th, 2018



EDWARD HOPKINS DIRECTOR OF EMERGENCY SERVICES

LOCAL EMERGENCY PLANNING COMMITTEE Meeting Agenda January 17th, 2017

1. Call to Order **Chair Richard Schwanke** 2. **Introductions** 3. **Hearings: None** Chair - Richard Schwanke 4. **Approval of Septembers Minutes** 5. **Guest Speakers** None 5. **Report of Incidents** Asst. Hazmat Chief - Clarence Ross **SARA Title III Planner – Forney Buchanan** 6. **SARA Title III Report** MDE CRTK - Pat Williams 7. **MDE Report** 8. **Hazmat Report** Asst. Hazmat Chief - Clarence Ross 9. **Grant Update** SARA Title III Planner – Forney Buchanan 10. **Emergency Management** Emergency Management – Rick Ayers 11. **OLD BUSINESS** July '18 Workshop idea 12. **NEW BUSINESS** None 13. Items from Members

BILLY BONIFACE DIRECTOR OF ADMINISTRATION



EDWARD HOPKINS DIRECTOR OF EMERGENCY SERVICES

HARFORD COUNTY GOVERNMENT

LOCAL EMERGENCY PLANNING COMMITTEE (LEPC)

Monthly Meeting - 17 January 2018

3:00 p.m. - Harford County Emergency Operations Center

Meeting called to order at 1500 by Chairperson Dick Schwanke

Report of Incidents – Clarence Ross

- See attached sheet, additional data and discussion on the following
- Level C response (17-126) with possible contaminated equipment in car
- Level C response (17-137) for a successful tractor trailer pump-off
- HazMat Crew Chief in Hazmat 1 was hit while responding (17-154)
- Investigation of Emergency Operations Center "odor of smoke" turned out to be from house next door (17-152)
- Clarification about watershed listed as "Aberdeen Proving Ground". In both cases (17-149 and 17-155) the incidents did not occur on Army property, but on land (Advantage Avenue in one case and Chelsea Road in the other) that on drains onto APG.

SARA Title III Report – As the reporting cycle is about to begin, nothing to report.

MDE Report - Pat Williams

- About 300 reports in so far in 2018
- No significant computer system overloads (yet?)
- New hazard categories are implemented
- Some reports need to change "number of days on-site" from last year's report to reflect having a leap year
- Farmers reporting Ammonia and Hydrogen Sulfide still need to report to the National Response Center, but not to State (RQ=100 pounds)

Hazmat Team Report - none

CRTK Grant Report - none

Emergency Management - Steve Welzum

- Winter Biannual Peach Bottom rehearsal is 6 February, with full EOC activation. Actual drill scheduled for 17 April at EOC.
- Next Preparedness class begins 1 February at Aberdeen Fire Department.
- Preparing for a big effort to support Half Marathon and 5K run that will cross the Hatem Bridge on Saturday, 15 September.
- · ×
- FEMA will review the graft plan after all comments have been received and then, if all requirements are deemed to have been satisfactorily met, will issue a letter of approval that is effective for an additional 5 years.

Old Business

July workshop idea had some additional topics suggested

New Business

• Established an "inclement weather meeting policy", agreeing that generally the LEPC will go by the Harford County Public School schedule. Additionally, an email to all will be sent by noon on the day of the meeting, should there be a cancellation.

Items from Members

None

Meeting adjourned at 1600 hours.

Next Meetings at Emergency Operations Center at 3:00 PM on

21 March 2018

16 May 2018

18 July 2018

BILLY BONIFACE DIRECTOR OF ADMINISTRATION

Next Meeting: July 18th, 2018

Future Meetings: September 19th, 2018

November 21st, 2018



EDWARD HOPKINS DIRECTOR OF EMERGENCY SERVICES

LOCAL EMERGENCY PLANNING COMMITTEE Meeting Agenda May 16th, 2017

1. Call to Order **Chair Richard Schwanke** 2. **Introductions** 3. **Hearings: None** Chair - Richard Schwanke 4. **Approval of Januarys Minutes** 5. **Guest Speakers** None 5. **Report of Incidents** Asst. Hazmat Chief - Clarence Ross **SARA Title III Planner – Forney Buchanan** 6. **SARA Title III Report** MDE CRTK - Pat Williams 7. **MDE Report** 8. **Hazmat Report** Asst. Hazmat Chief - Clarence Ross 9. **Grant Update** SARA Title III Planner – Forney Buchanan 10. Emergency Management – Linda Ploener **Emergency Management** 11. **OLD BUSINESS** None 12. **NEW BUSINESS** None 13. Items from Members